

FIG. 1

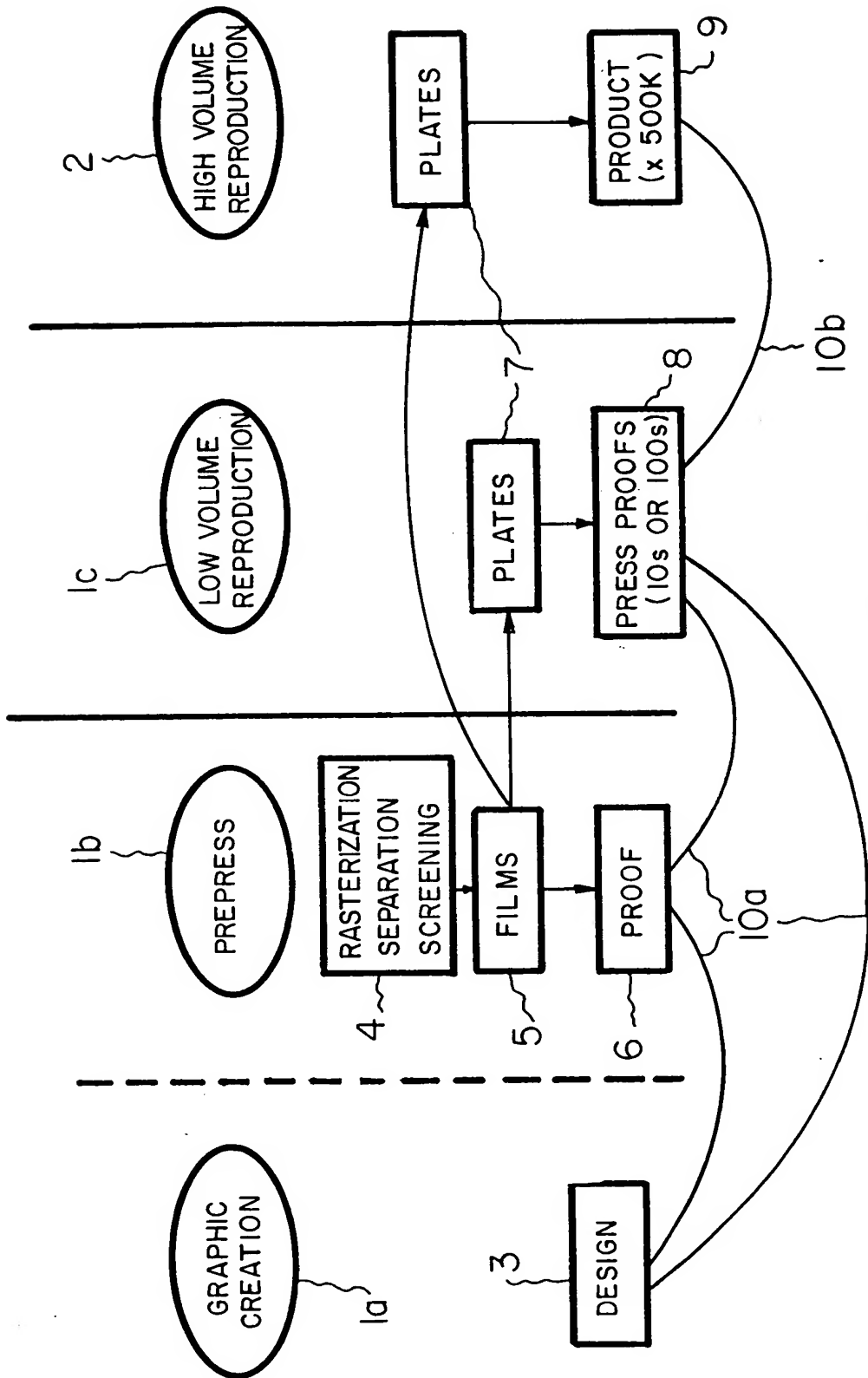
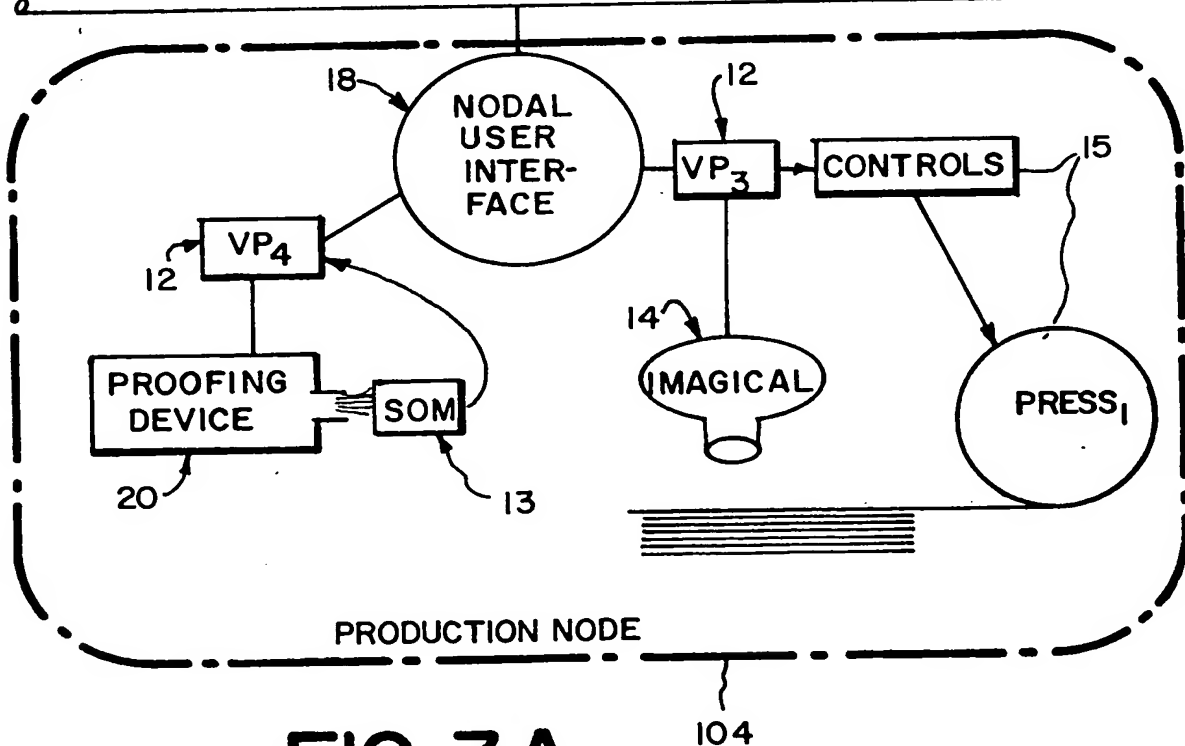
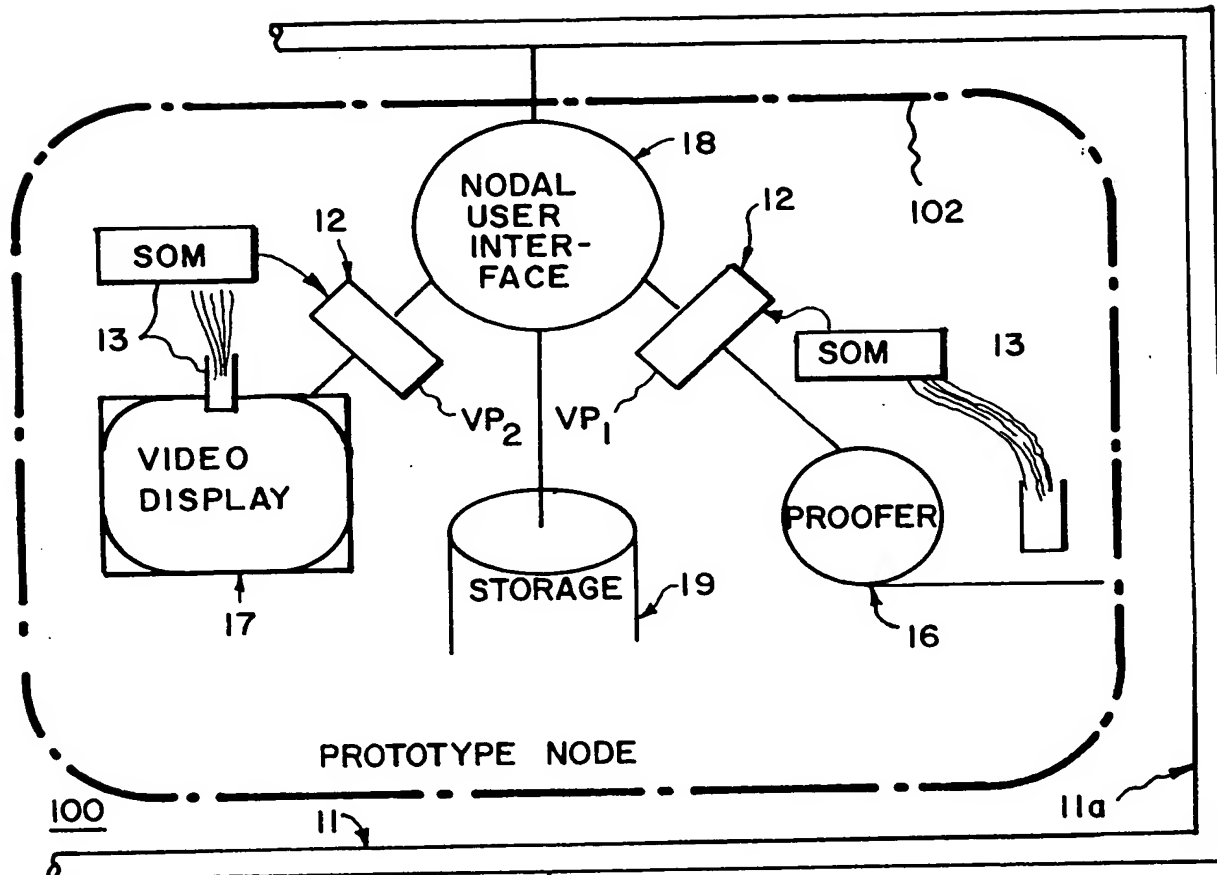
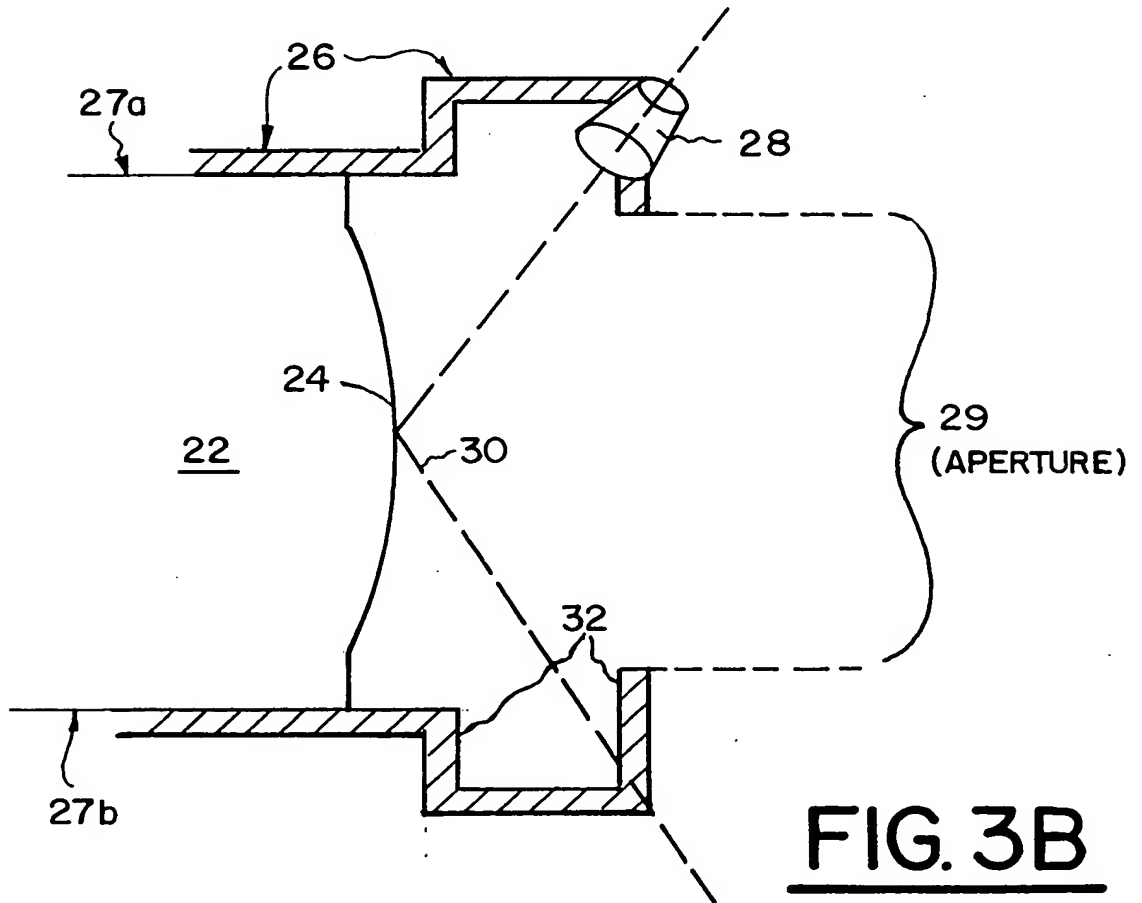
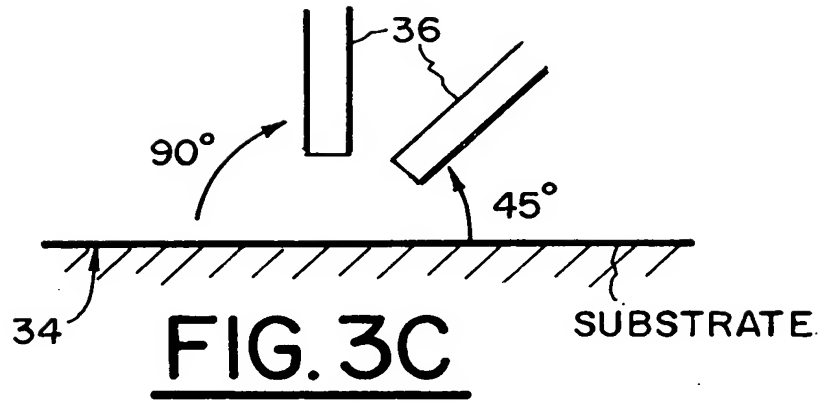


FIG. 2

**FIG. 3A**



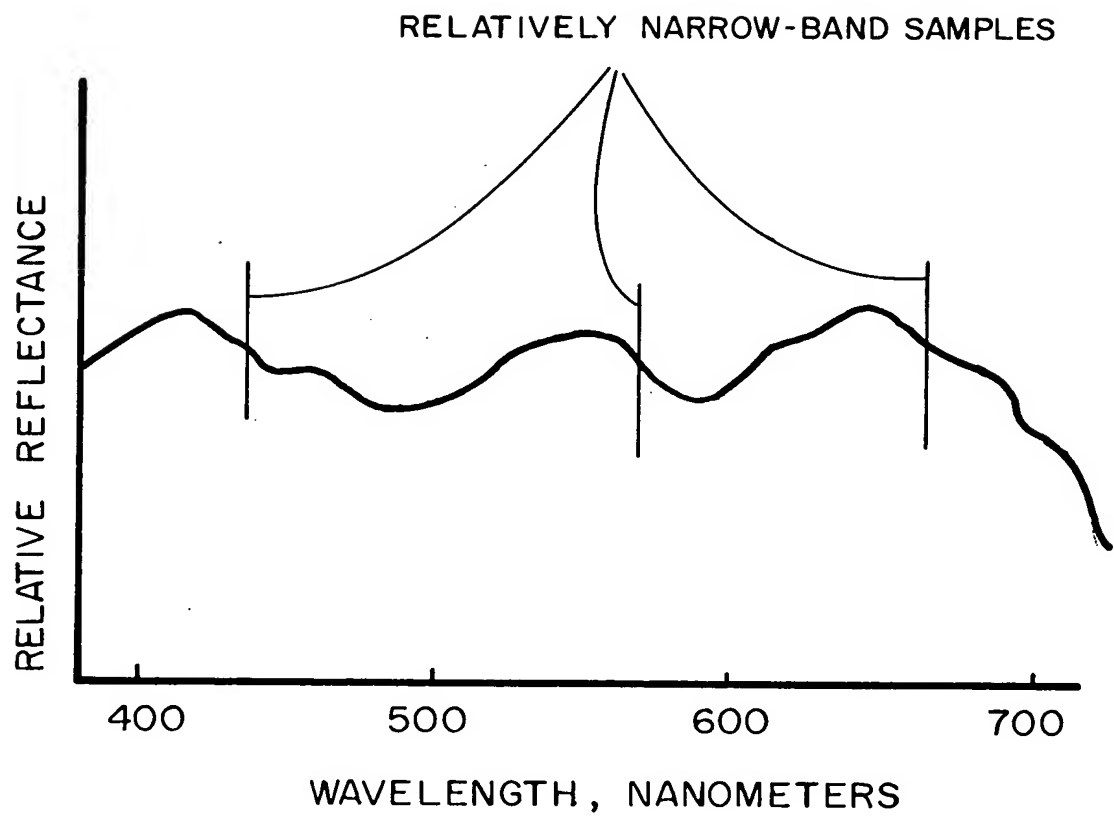
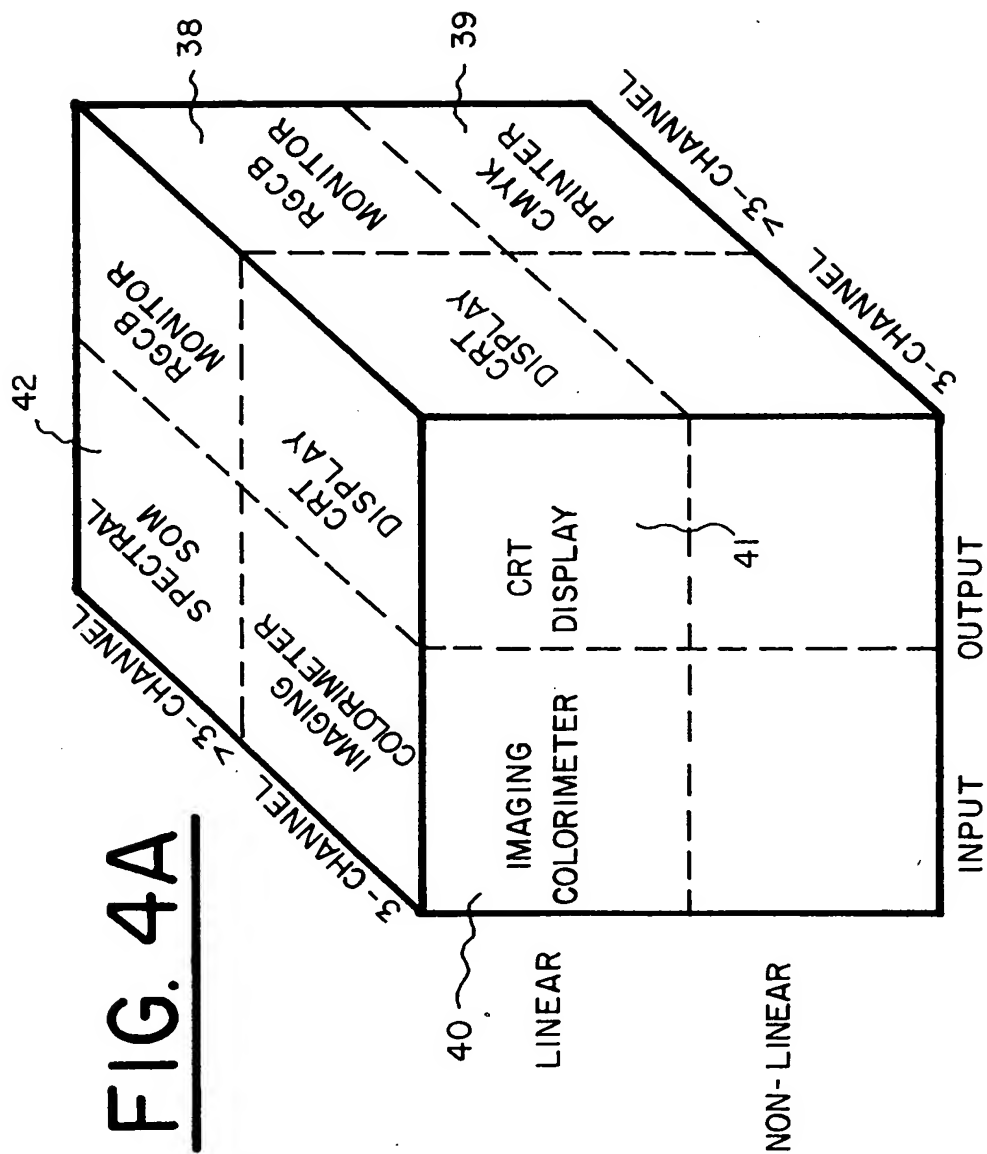


FIG. 3D



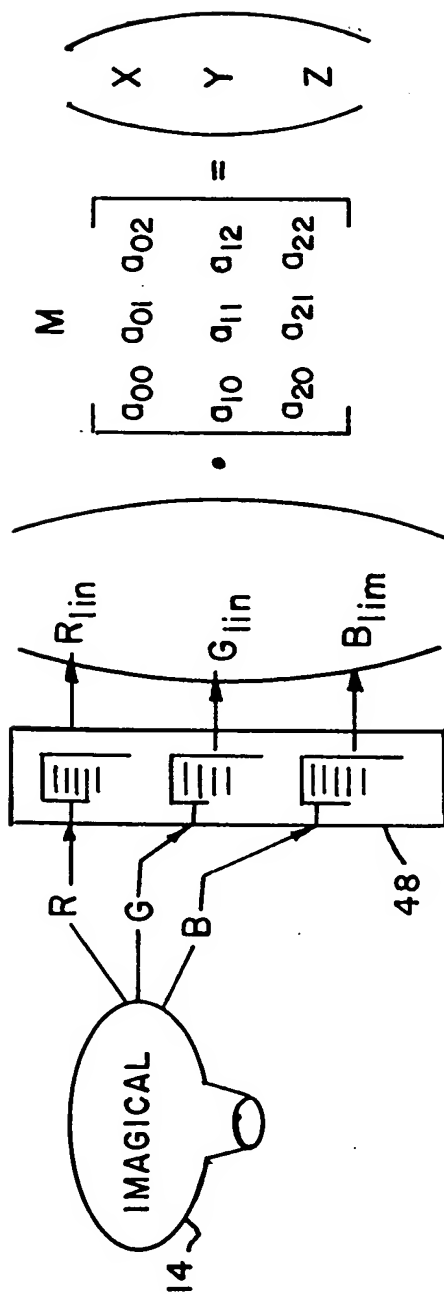


FIG. 4B

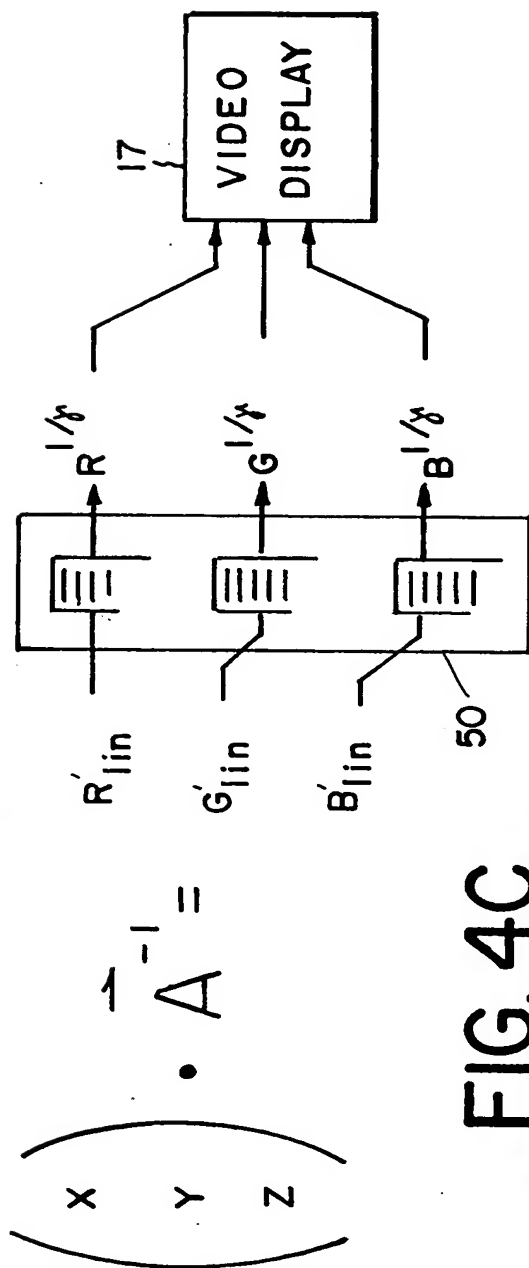
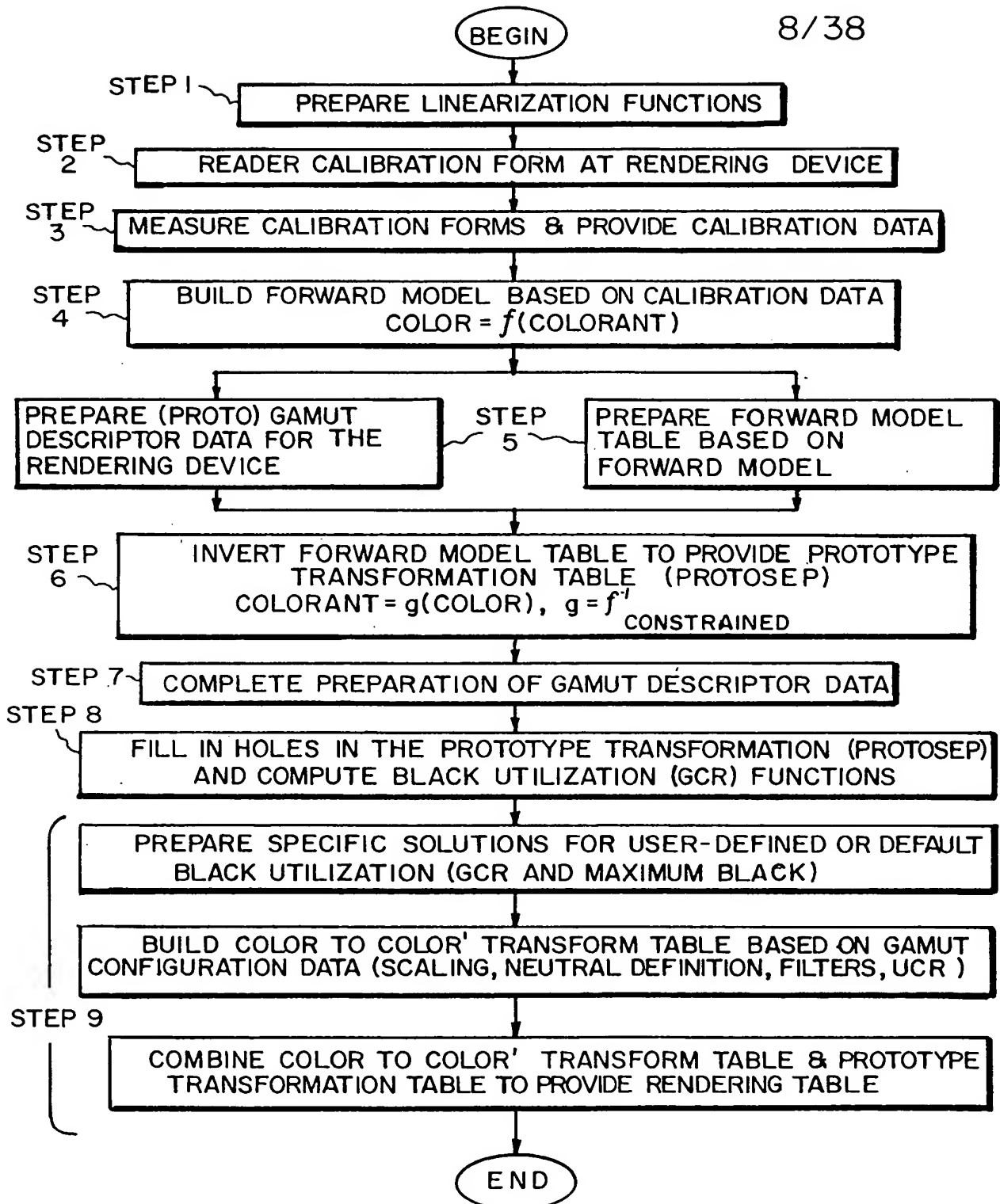
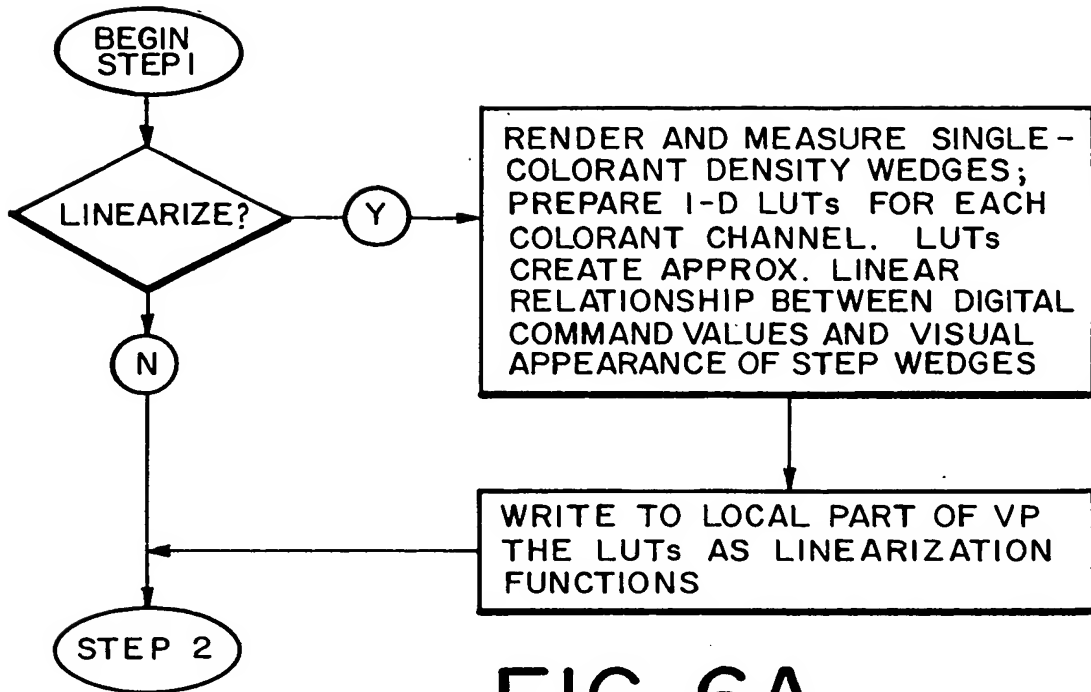
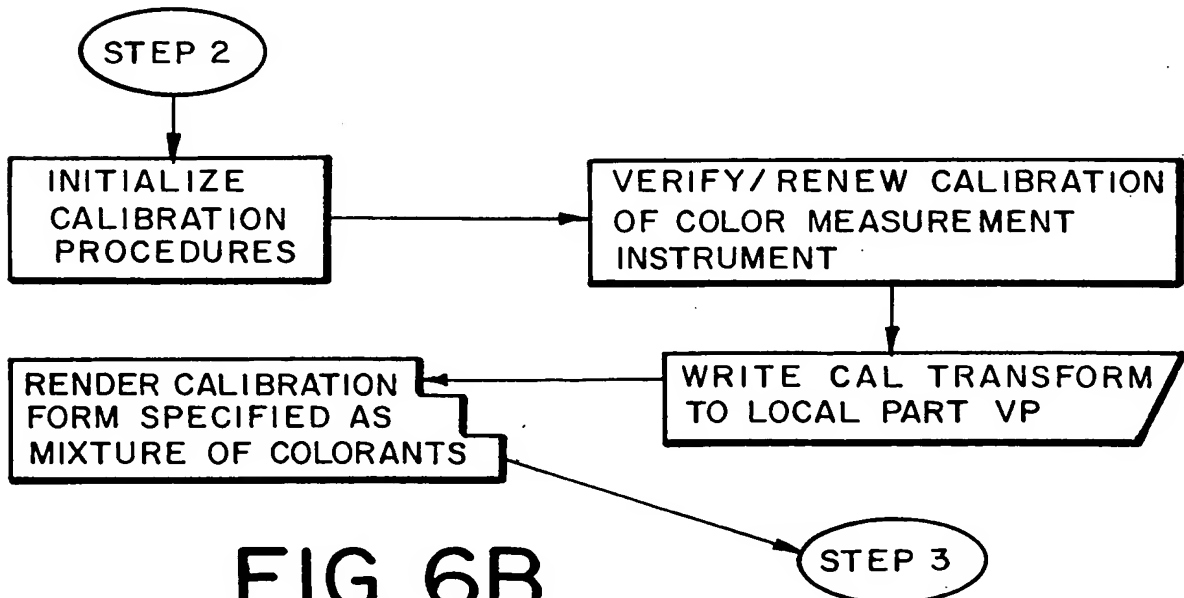


FIG. 4C

FIG. 5

FIG. 6AFIG. 6B

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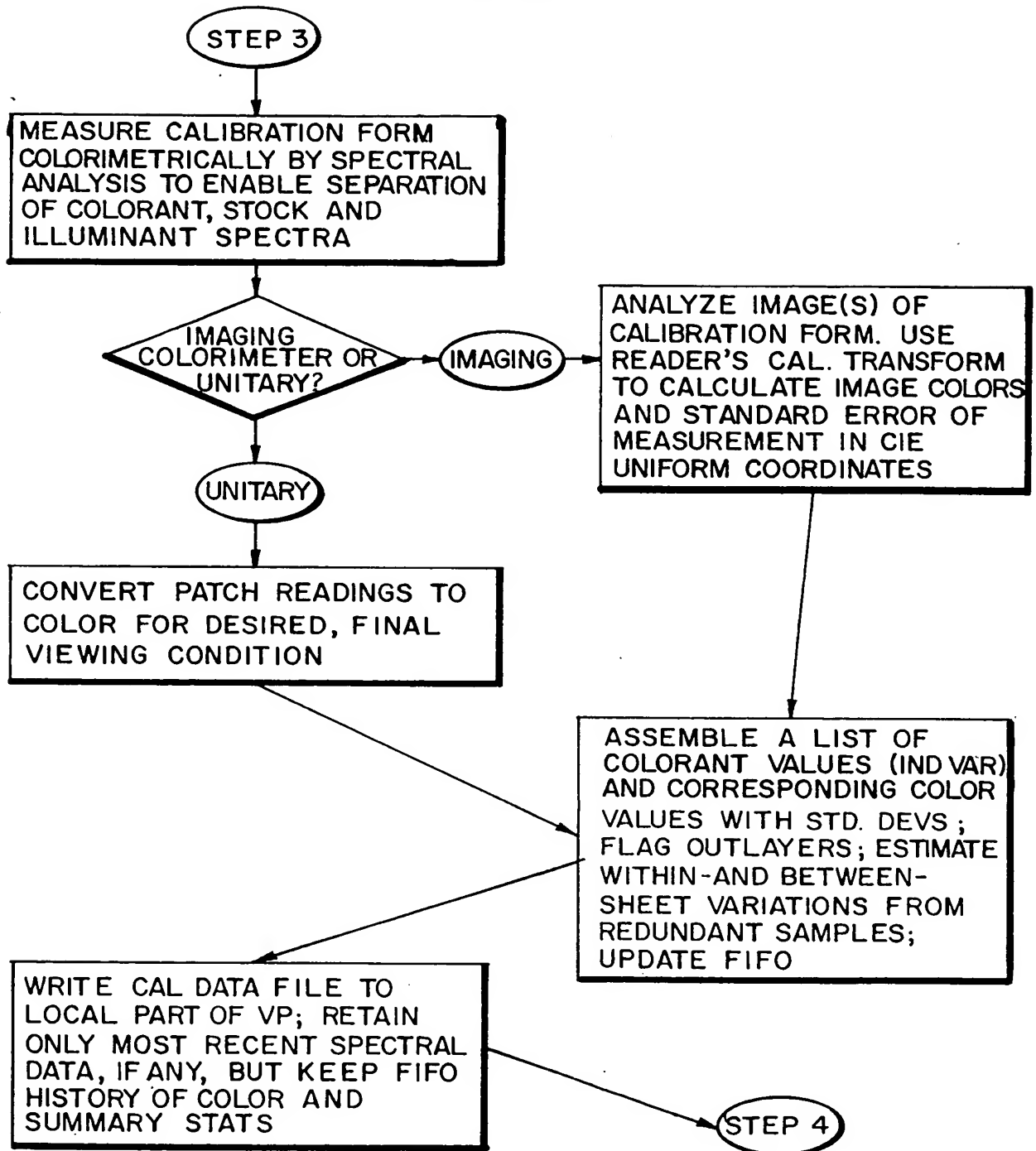
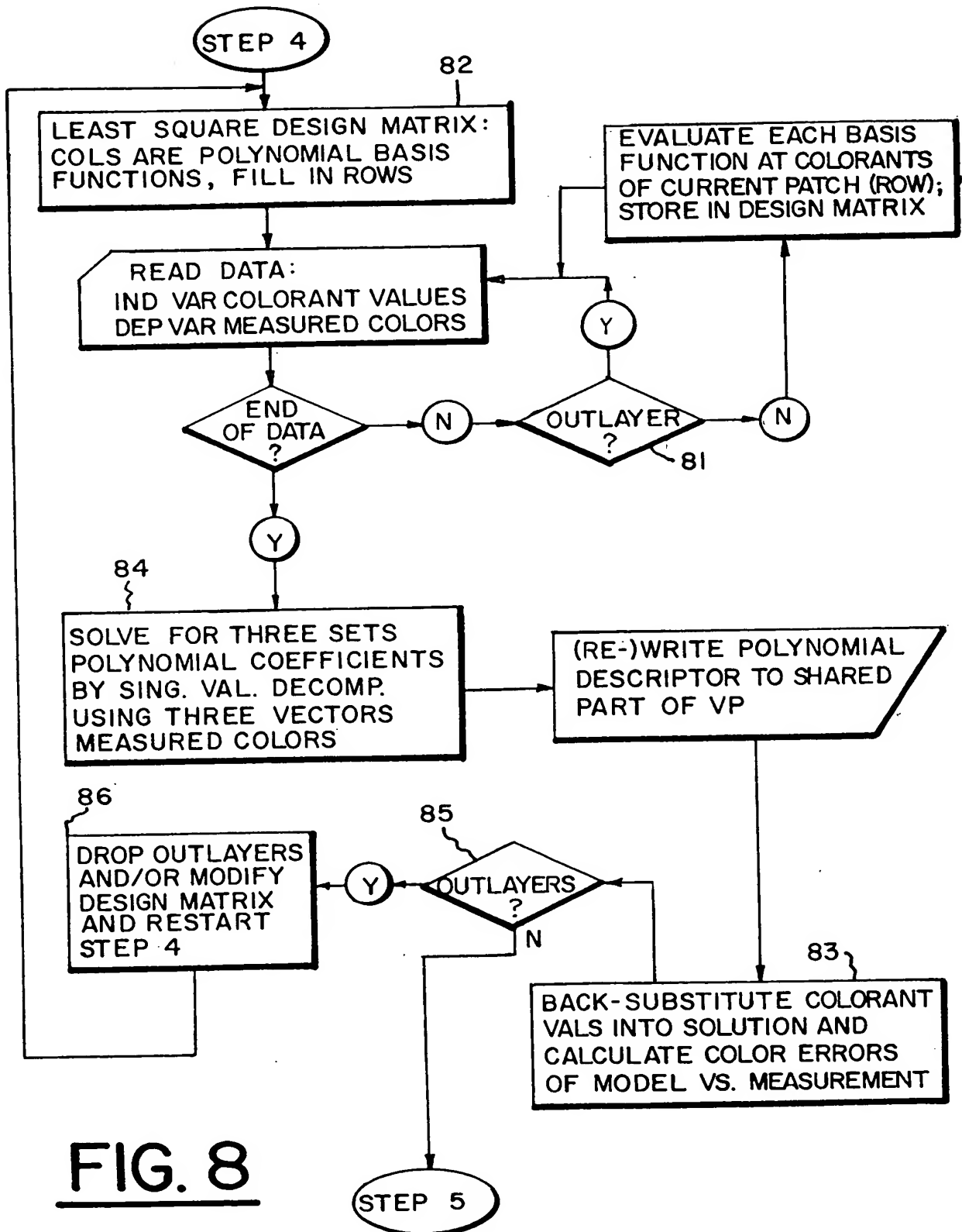


FIG. 7



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STEP 5

PREPARE FORWARD MODEL INTERPOLATION
TABLE AND PROTOTYPE GAMUT DESCRIPTOR;
FOR FMT, DEFINE 1-D INPUT AND OUTPUT
CONDITIONING LUTs AND COLORANT QUANT-
IZATION/ADDRESSING SCHEME; FOR PGD,
DEFINE CYL. COORD. QUANT. SCHEME

DO NESTED LOOPING OVER ALL
COLORANT ADDRESSES AND
COMPUTE COLORS WITH FORWARD
MODEL FROM STEP 4

97

STORE COLORS IN CARTESIAN
COORDINATES IN COLORANT-
TO-COLOR TABLE (FMT)

BUILD PROTO-GAMUT-DESCRIPTOR:
STORE COLORS IN CYLINDRICAL
COORDINATES; MAKE LINKED
LISTS OF CHROMA VALUES
OCCURRING AT EACH QUANTIZED
HUE ANGLE / LIGHTNESS
COORDINATE

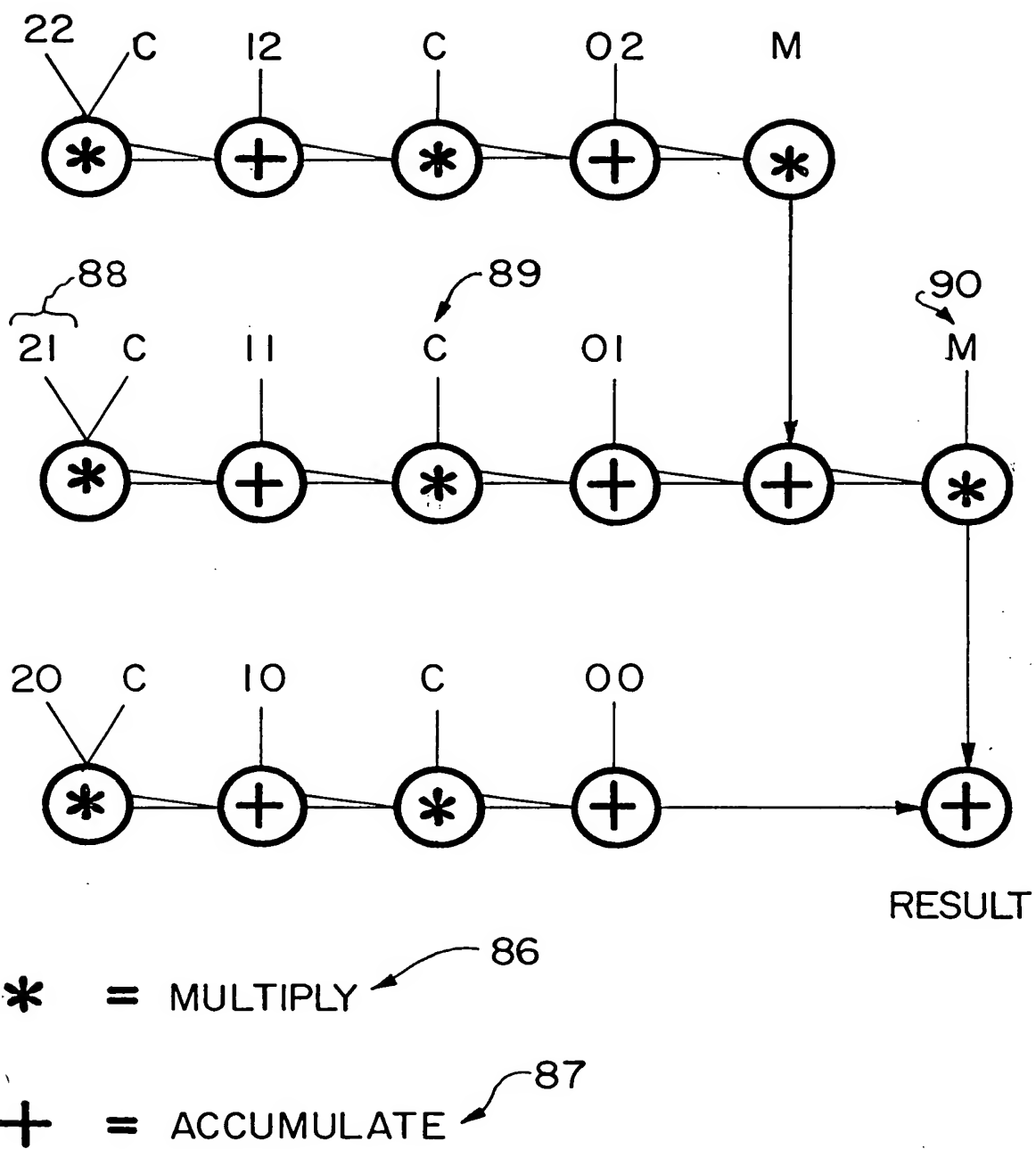
99

WRITE TO SHARED PART OF VP

WRITE TO LOCAL PART OF VP

STEP 6

FIG. 9A

FIG. 9B

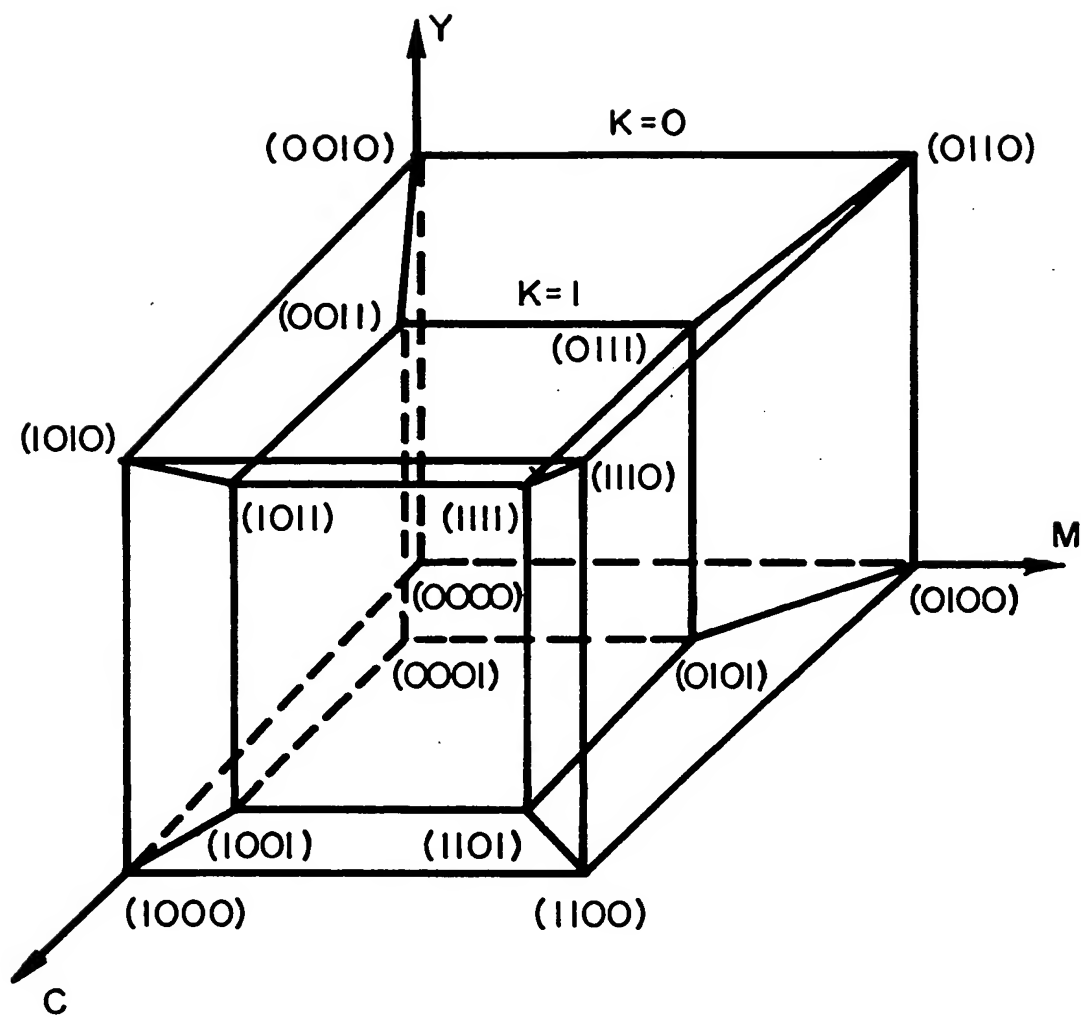


FIG. 9C

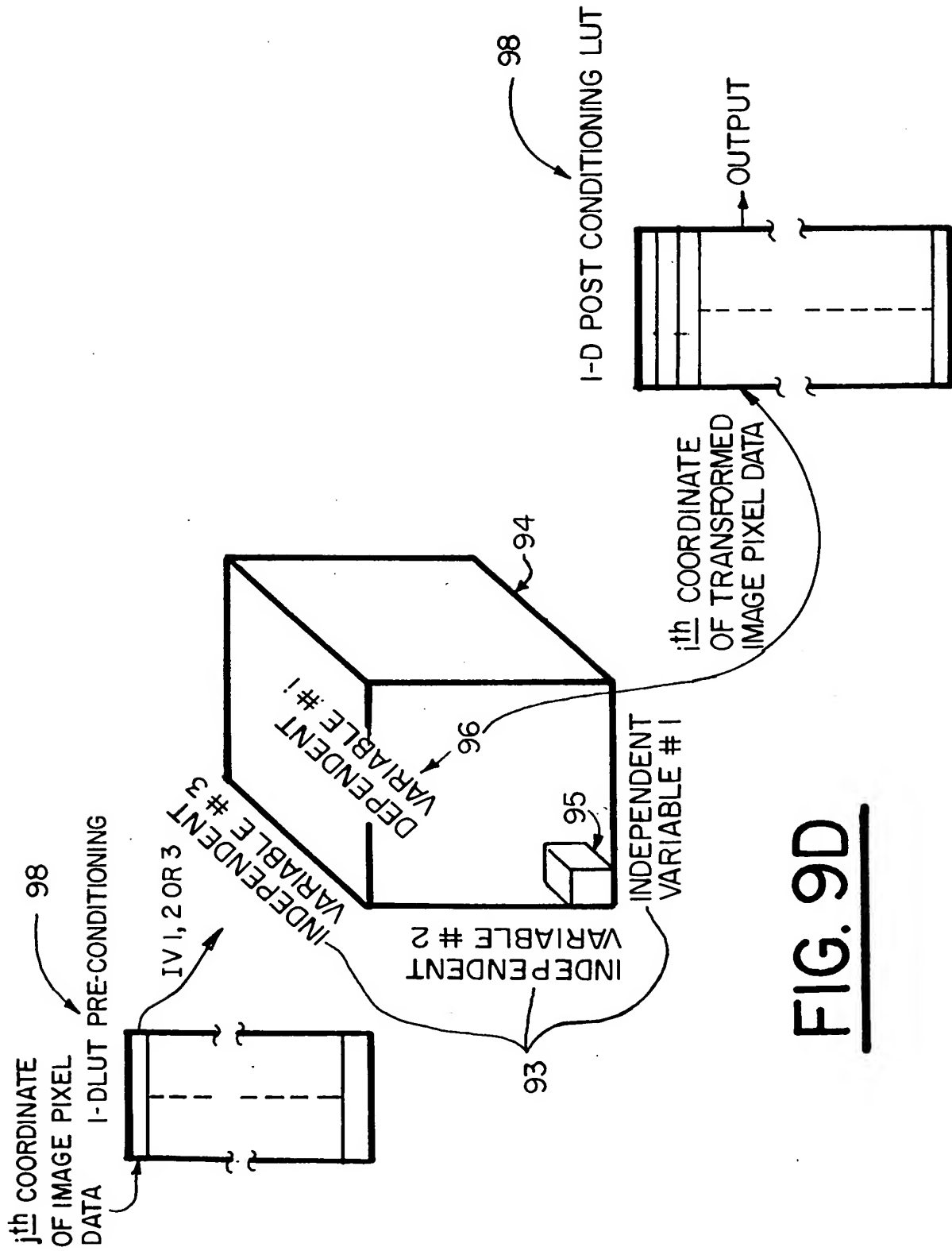
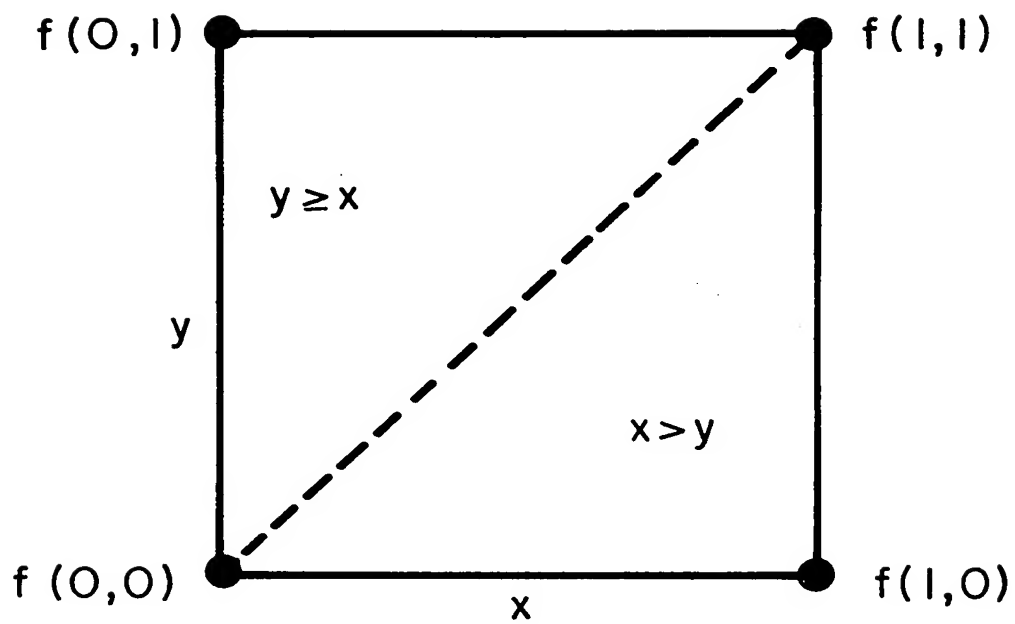
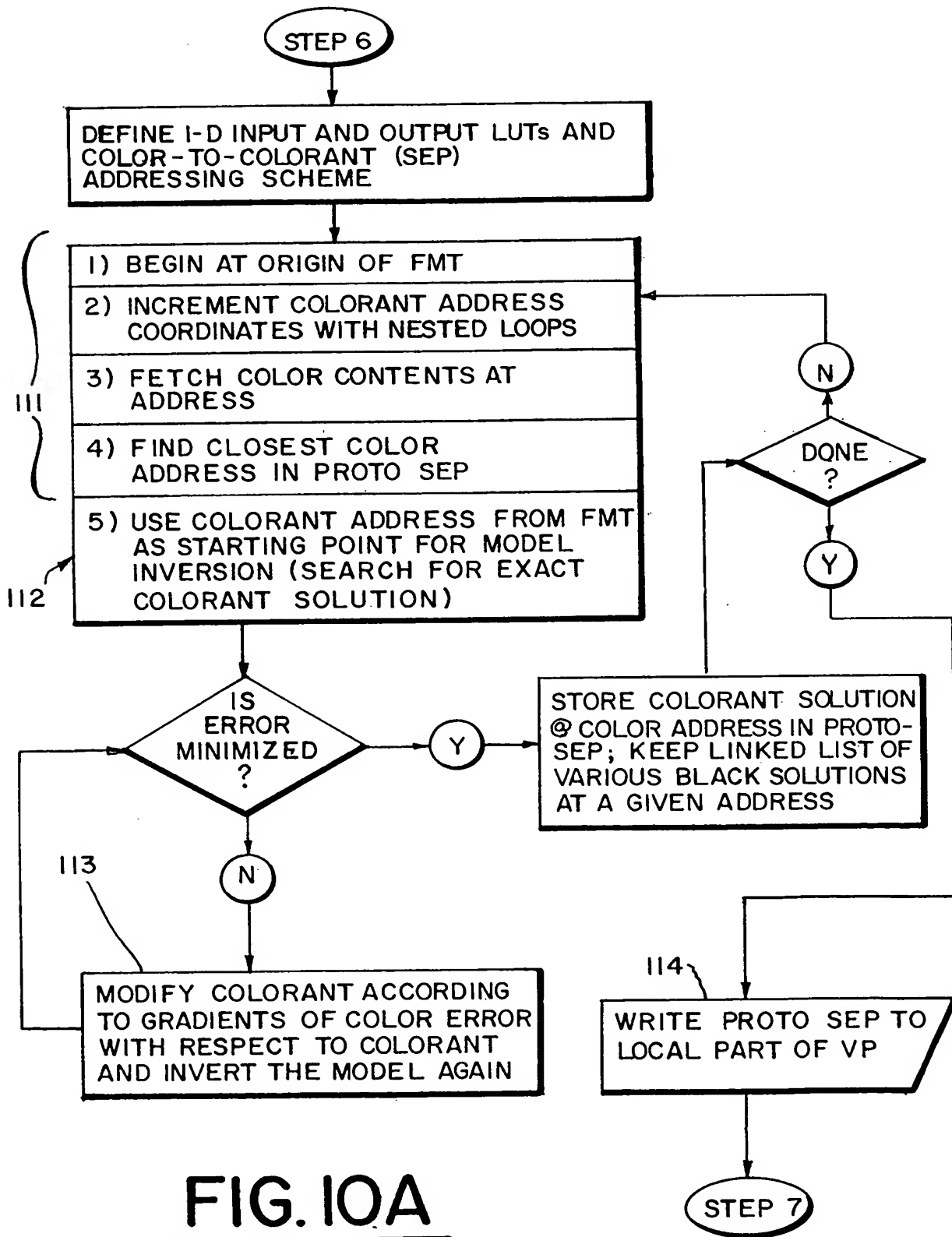


FIG. 9D

FIG. 9E

FIG. 10A

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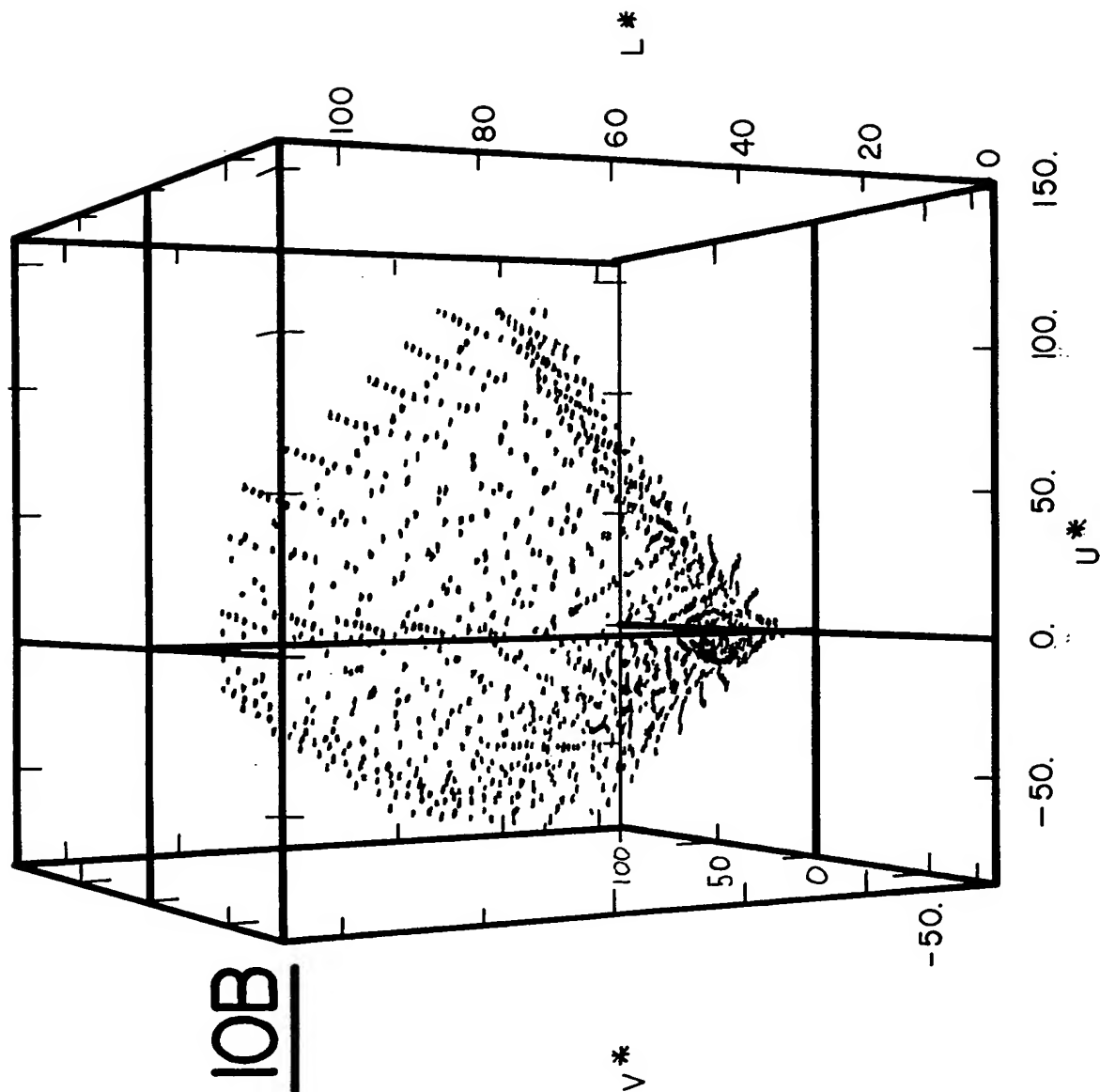
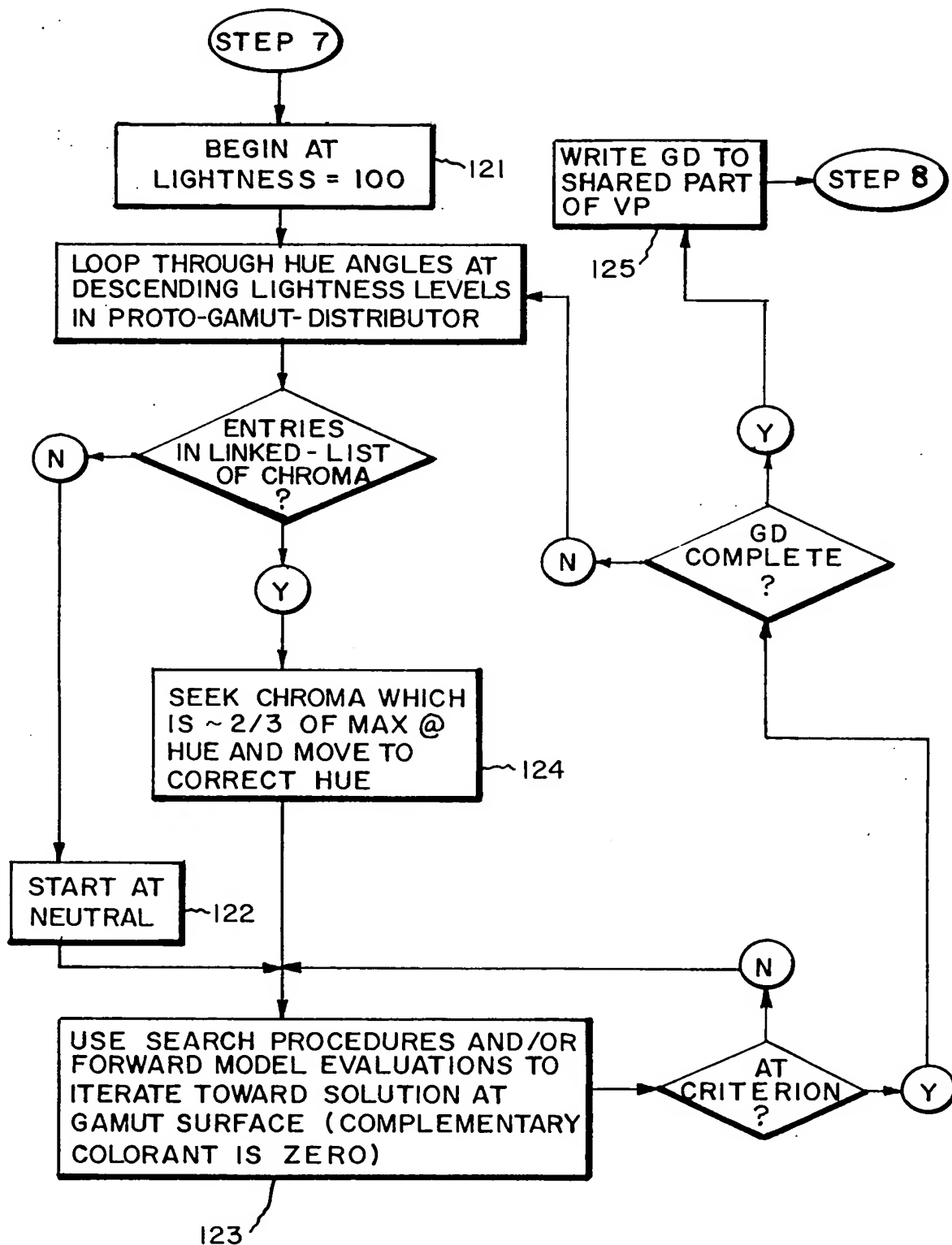
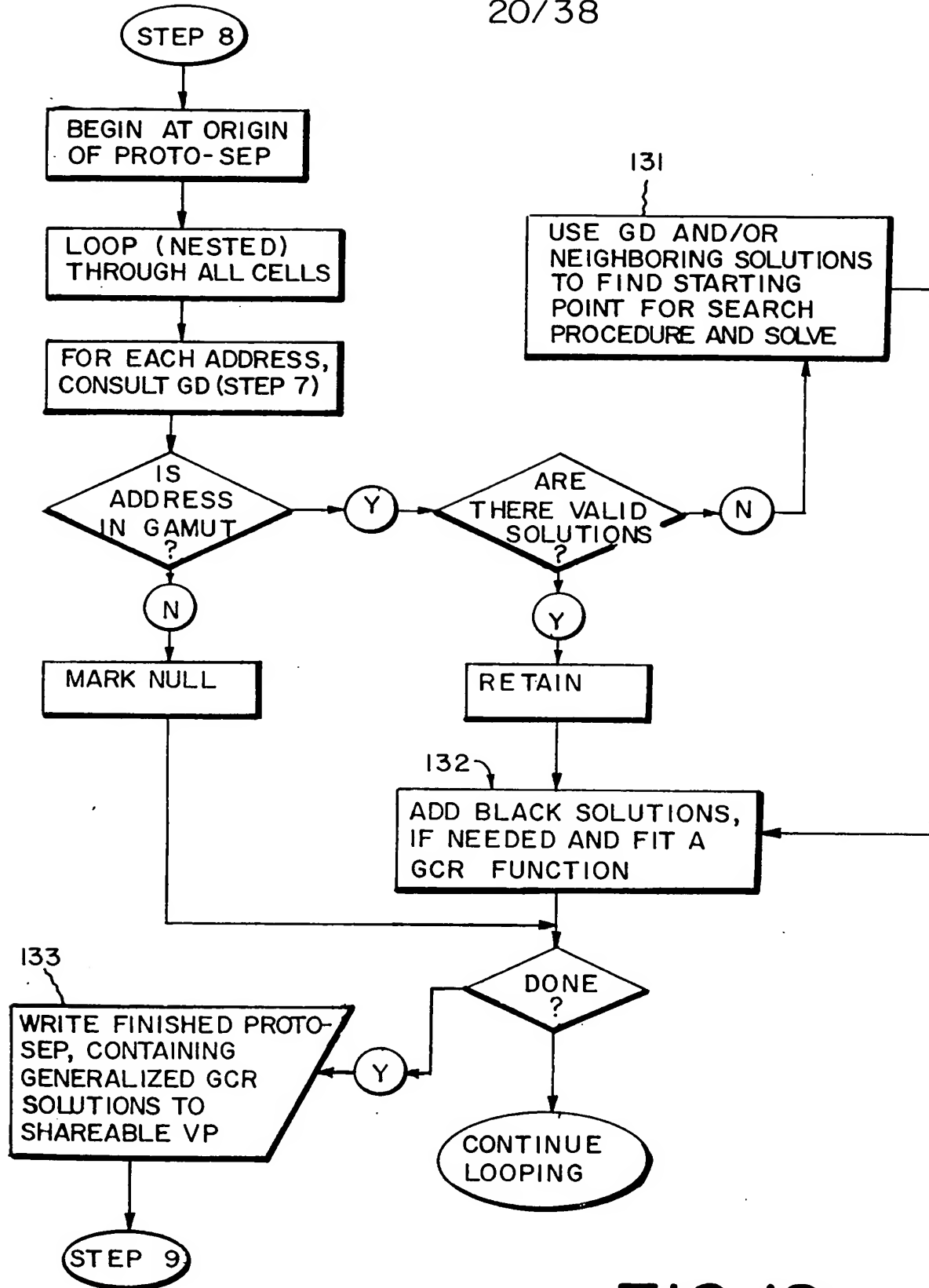
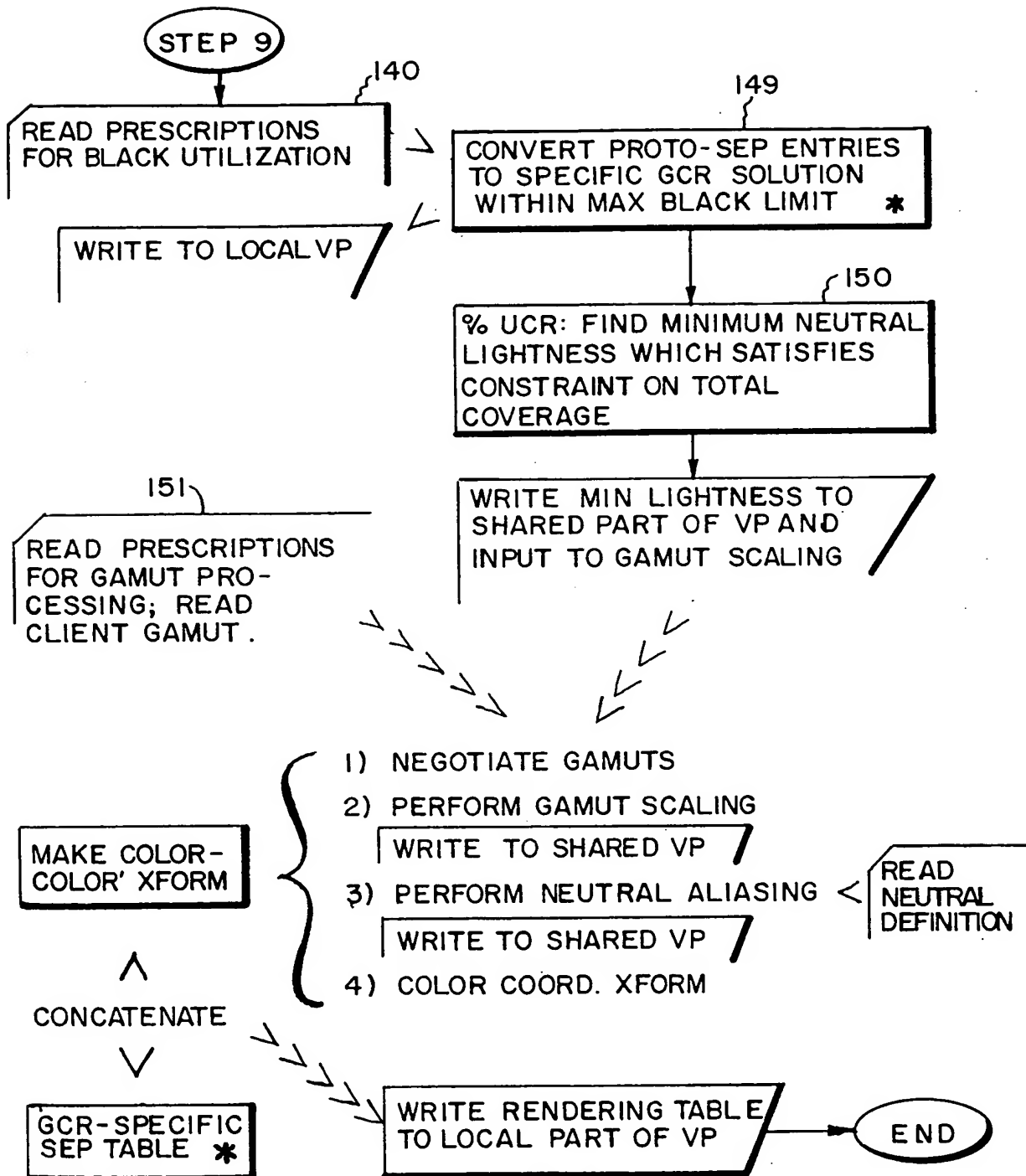


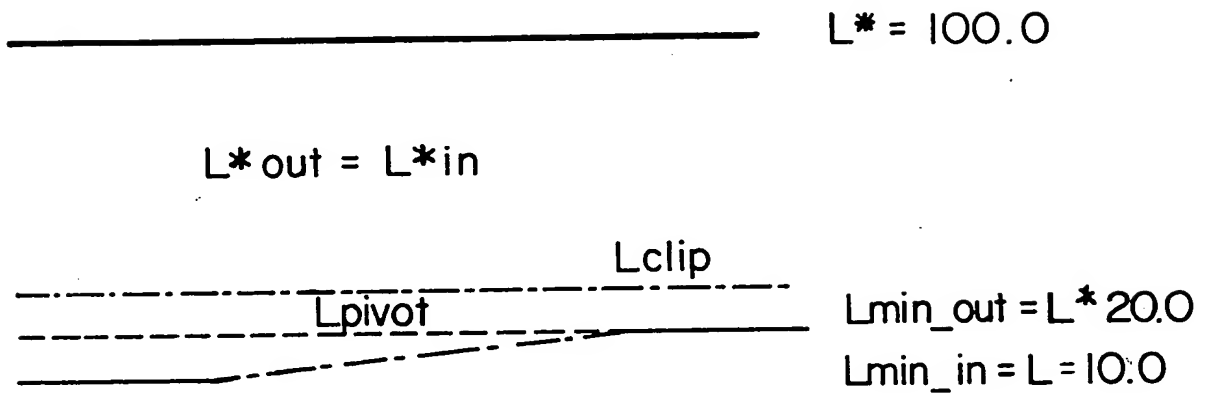
FIG.10B

FIG. II

FIG. 12

FIG. 13

CASE 1: THE MINIMUM INPUT L^* IS LESS THAN
MINIMUM OUTPUT L^*



CASE 2: THE MINIMUM INPUT L^* IS GREATER THAN
MINIMUM OUTPUT L^*

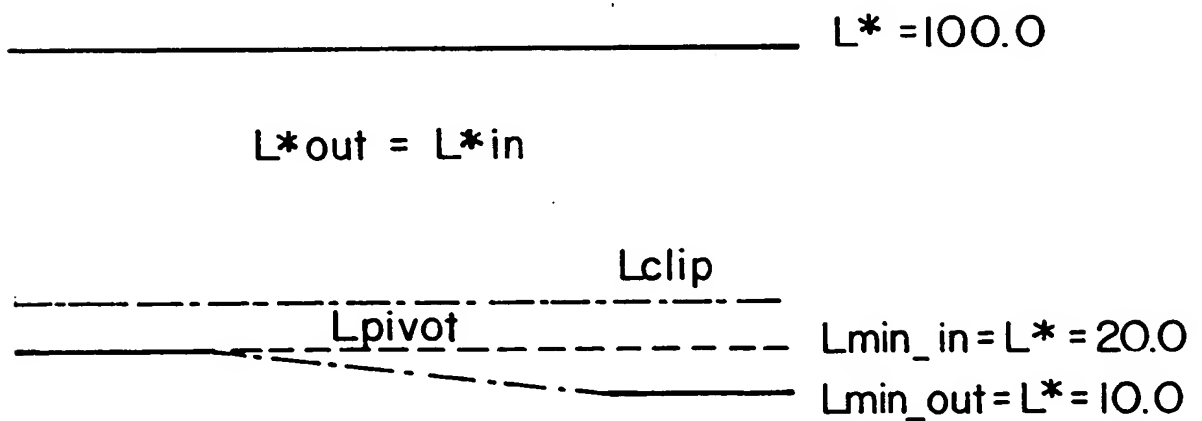
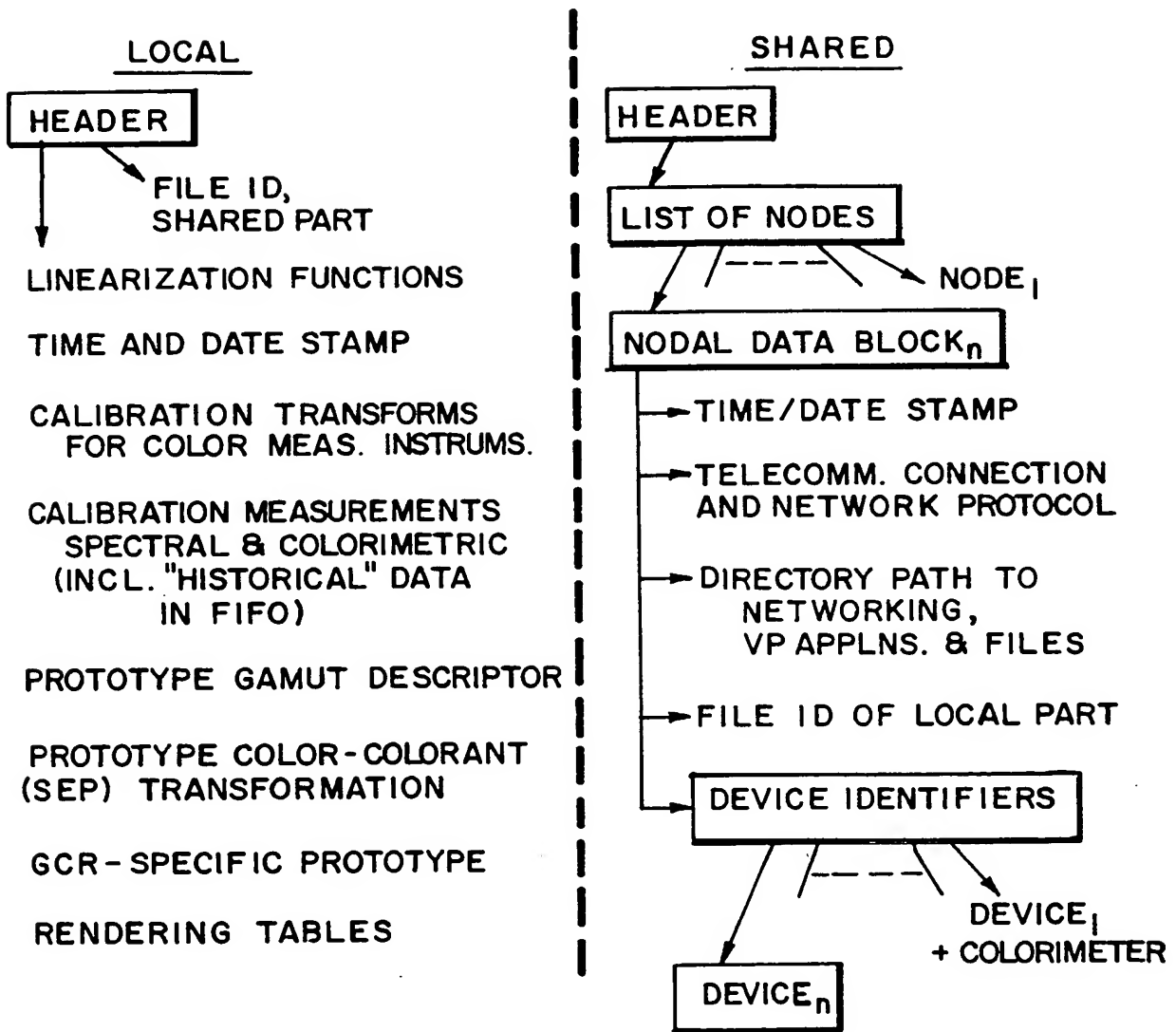


FIG. 14

FIG. 15A

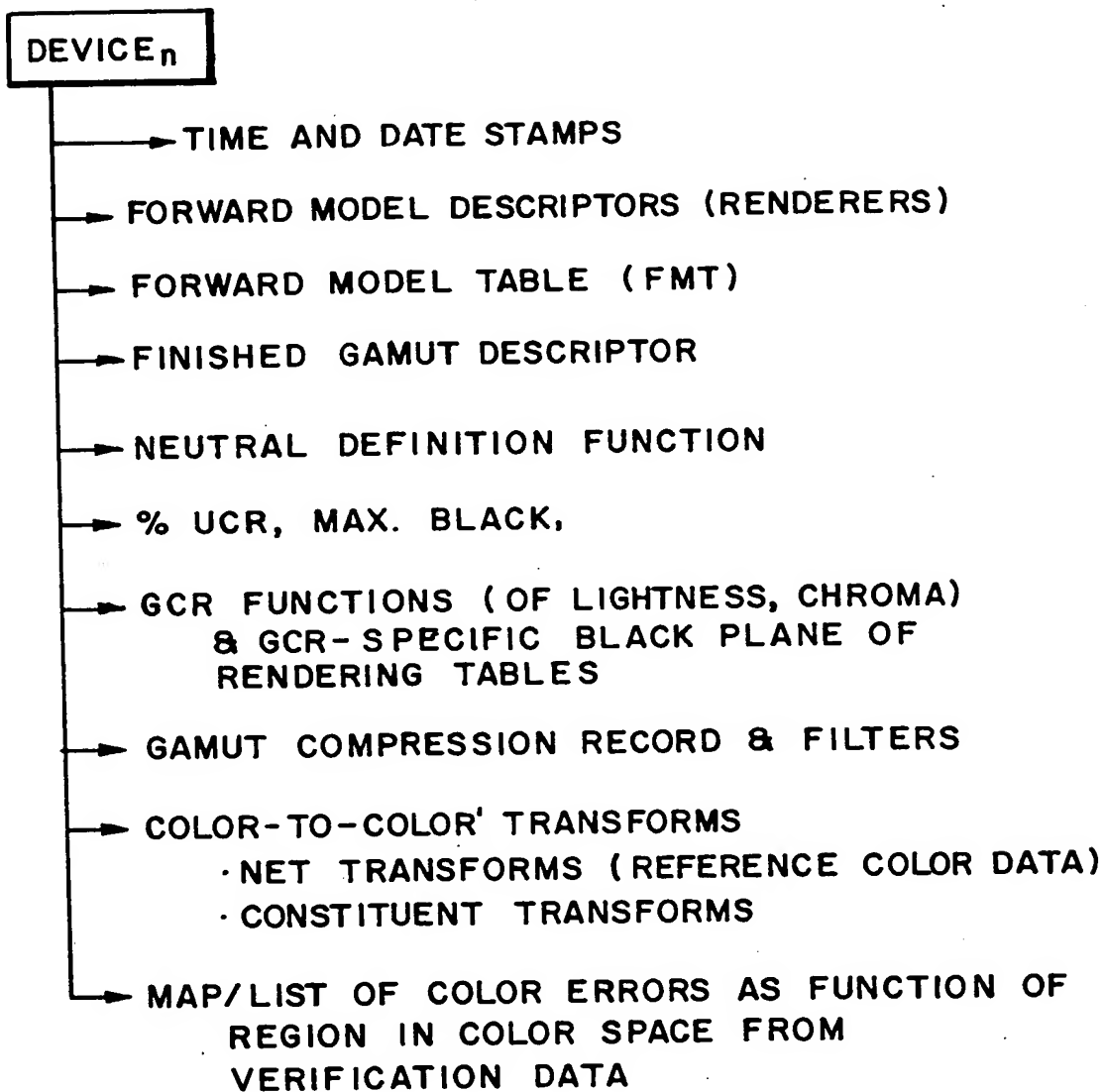


FIG. 15B

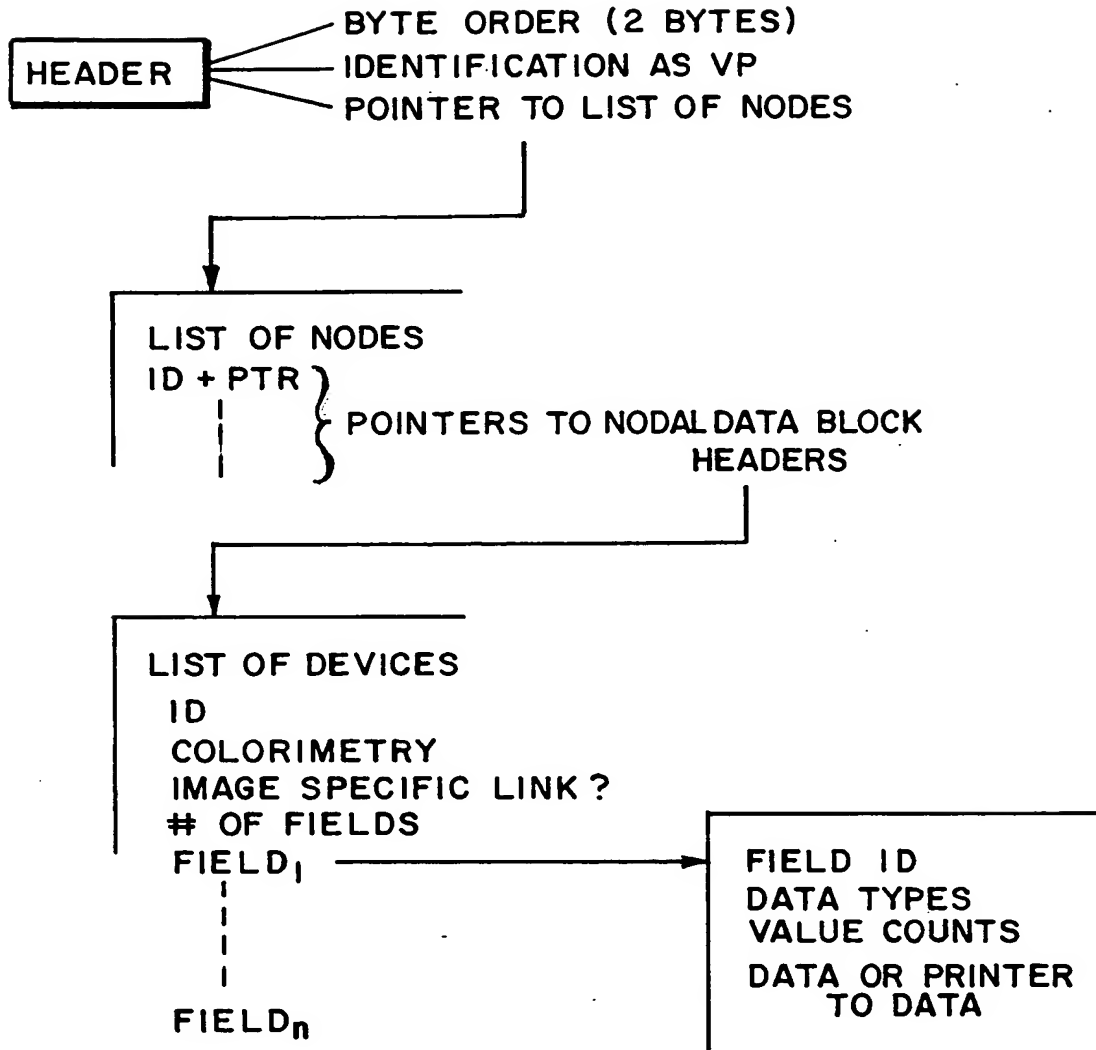
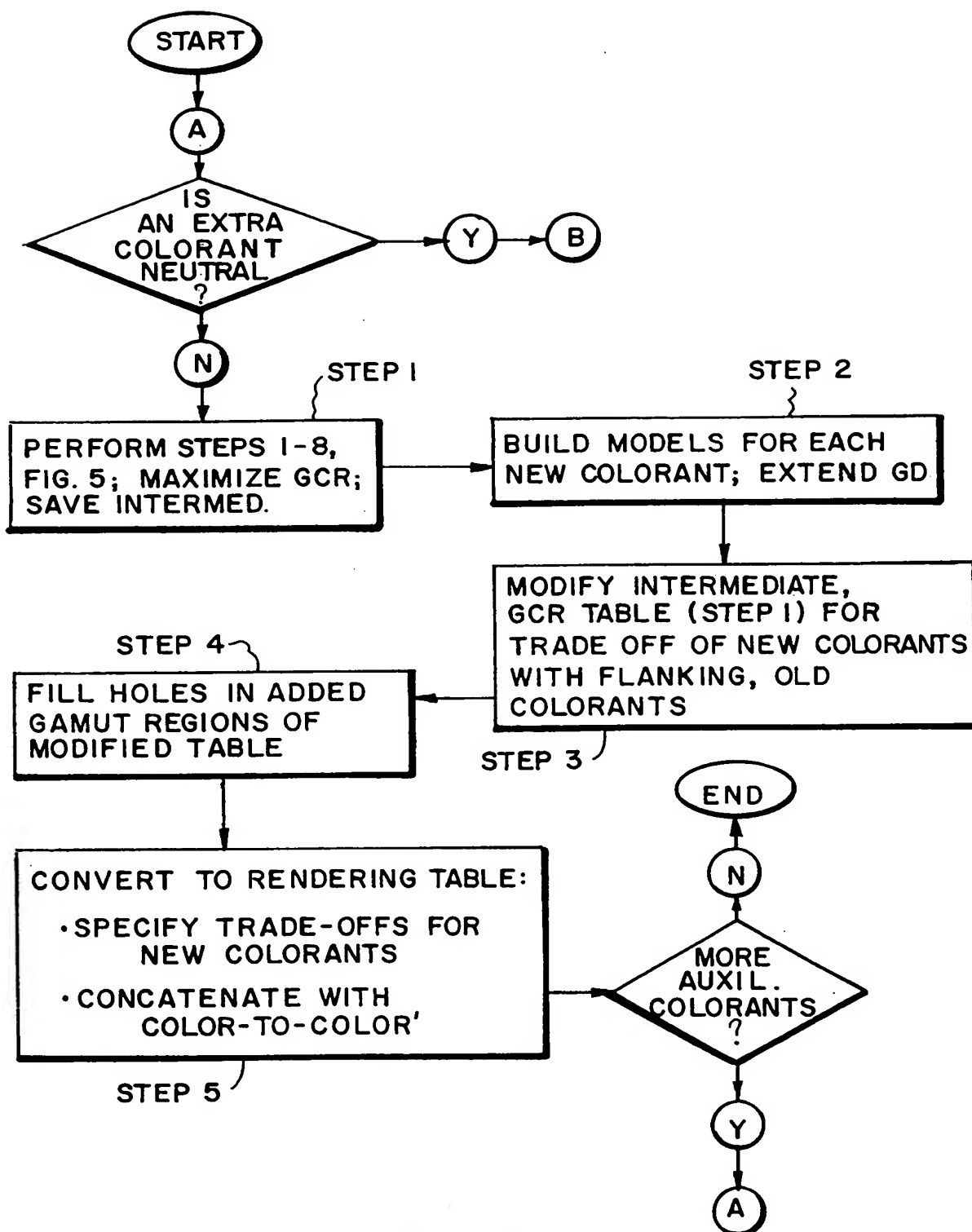
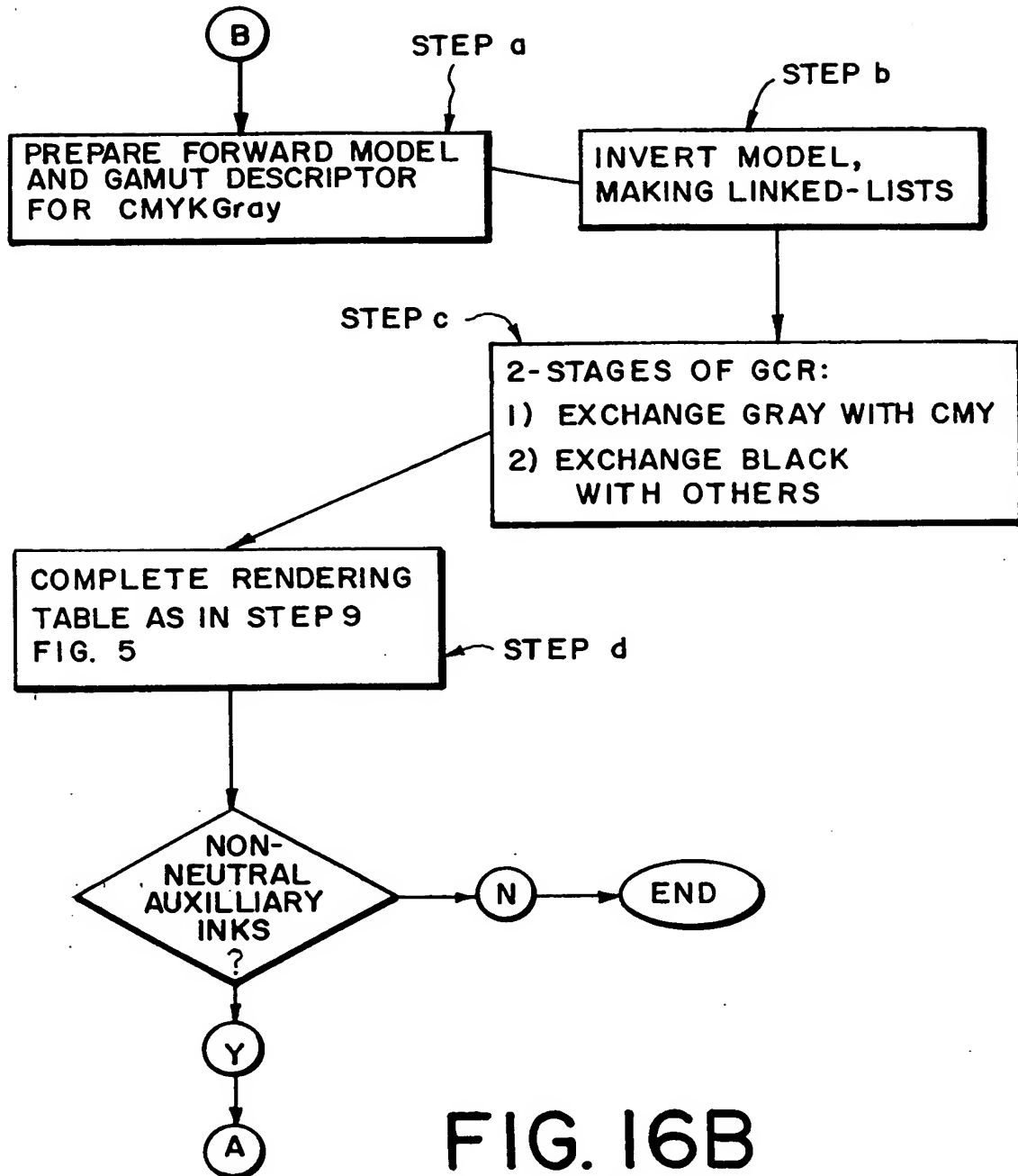
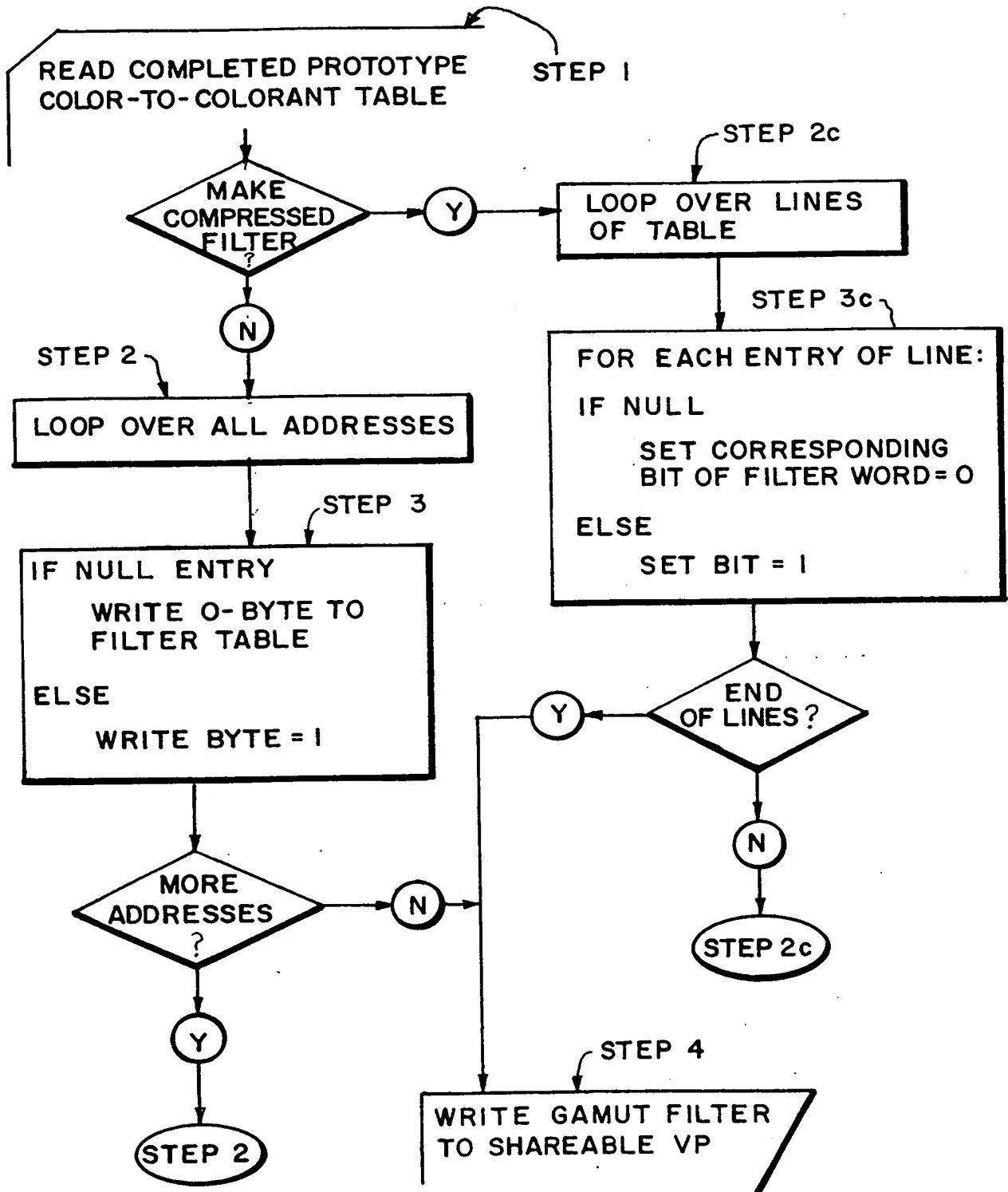
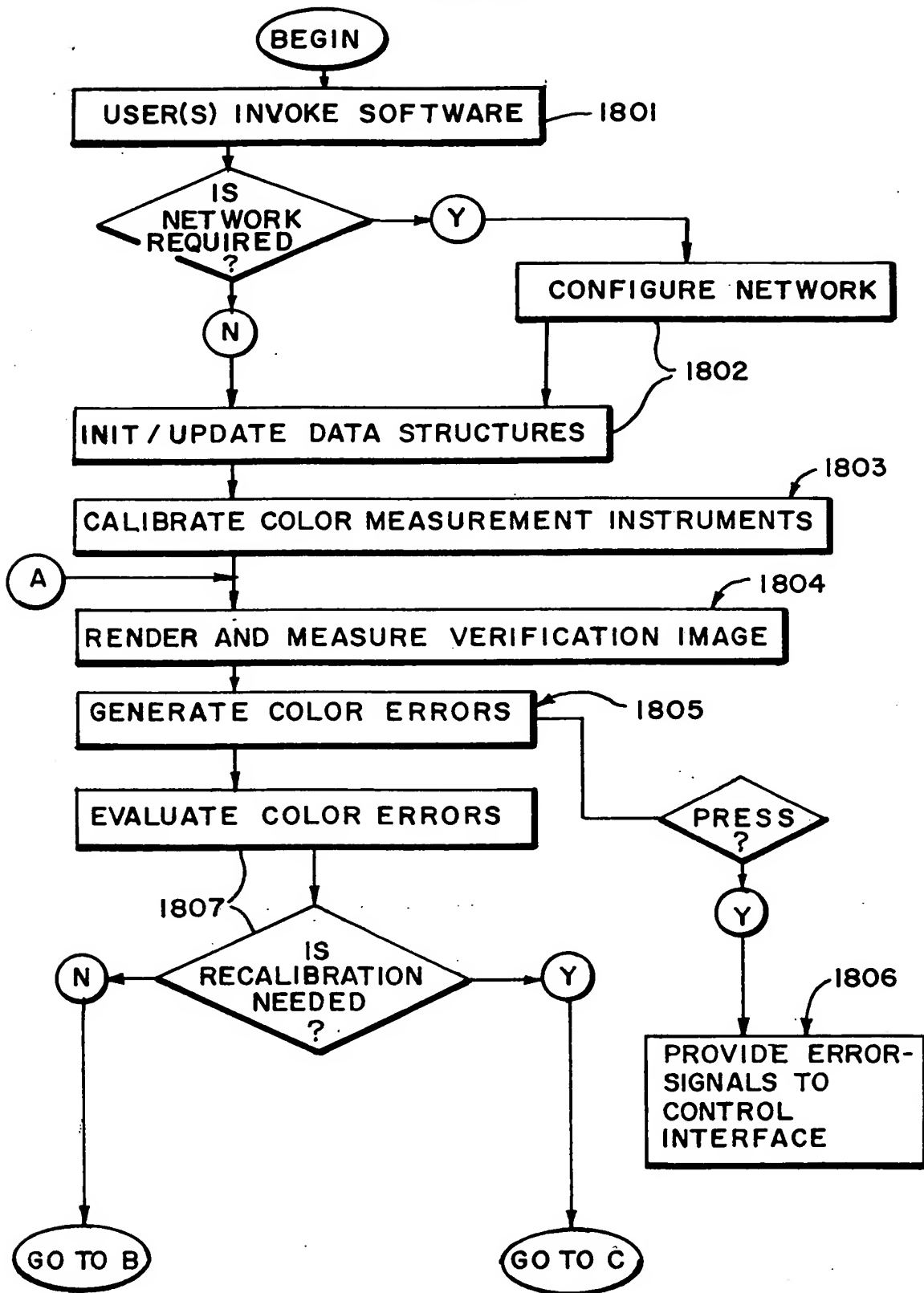


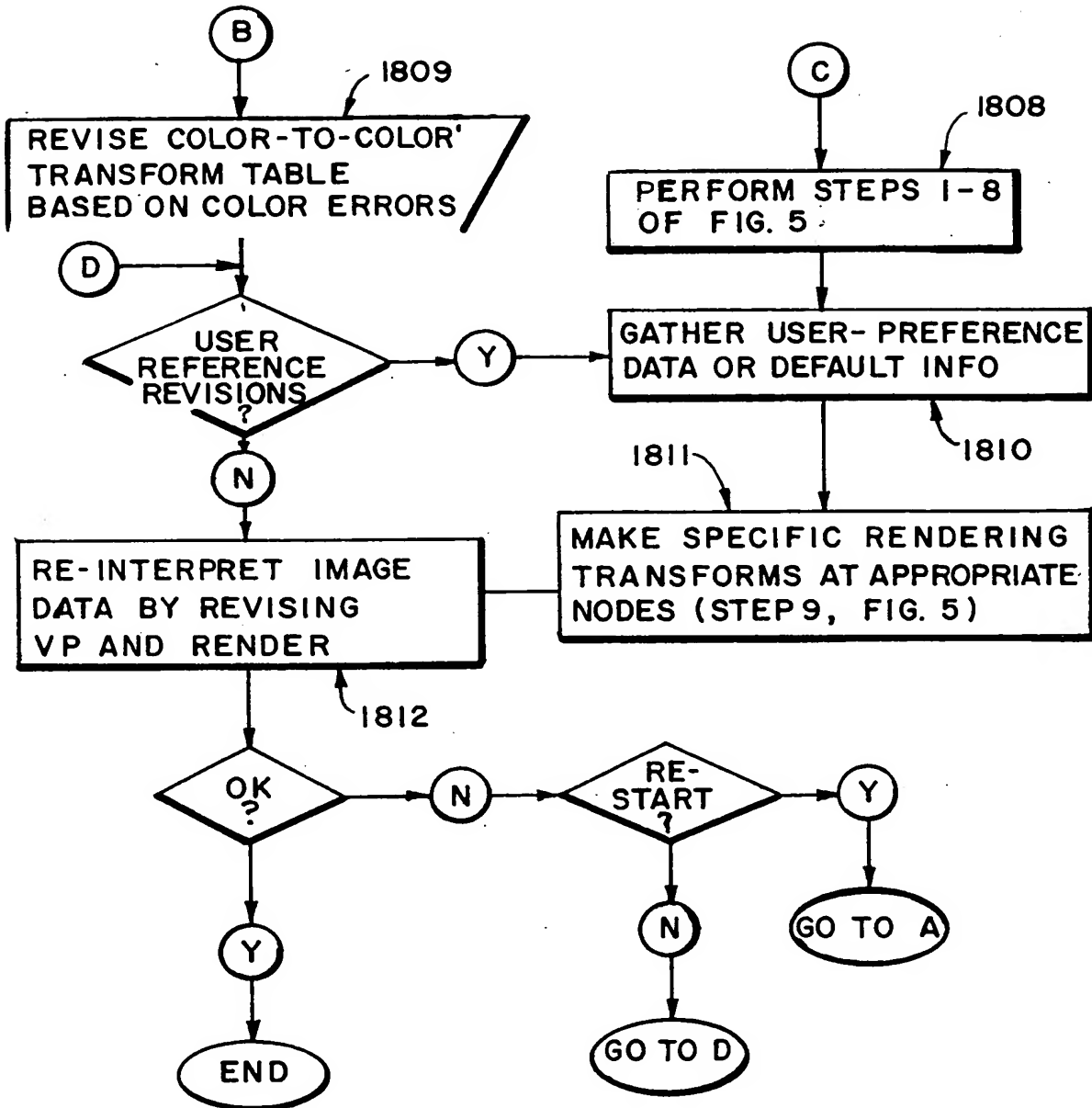
FIG. 15C

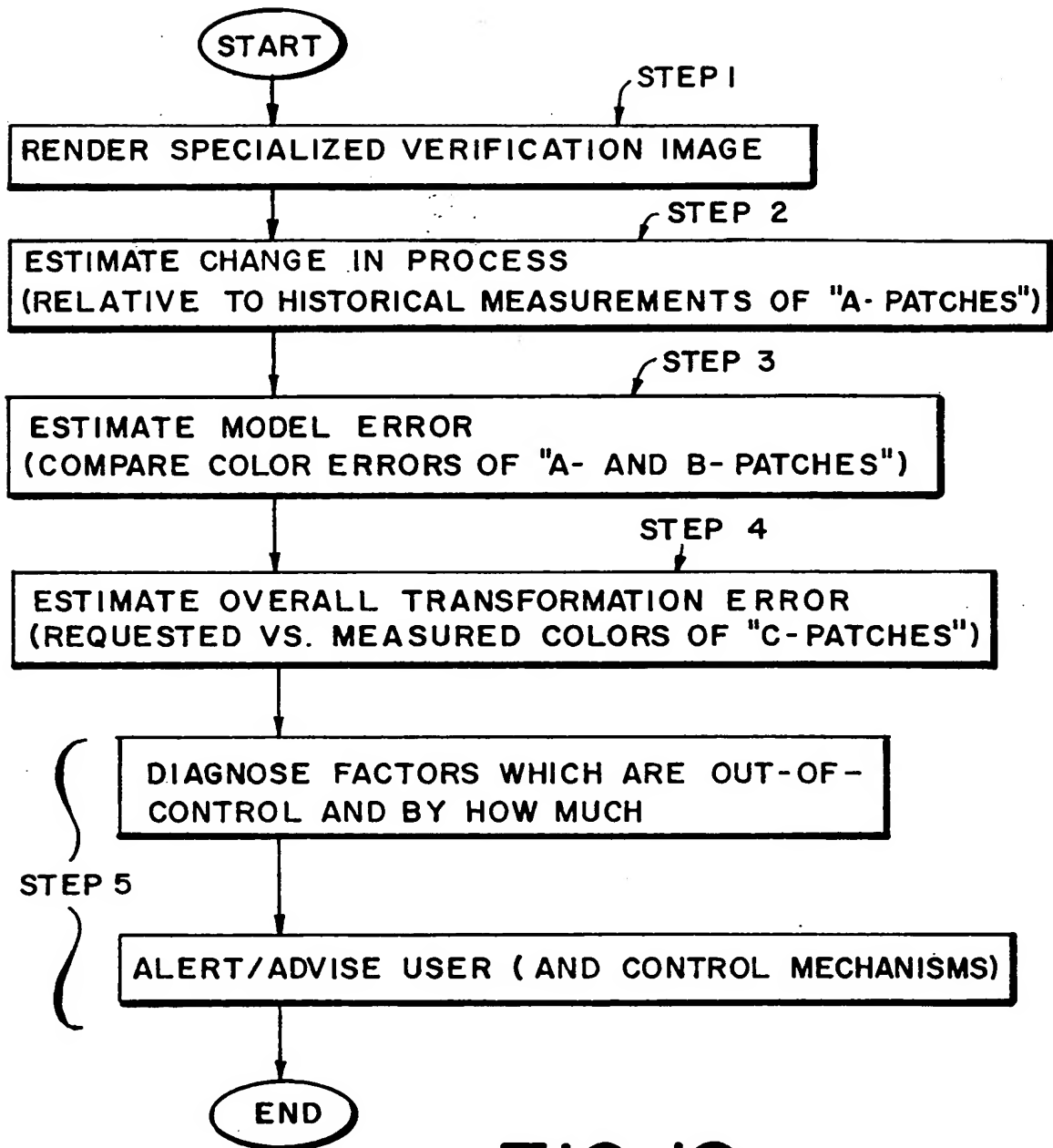
FIG. 16A

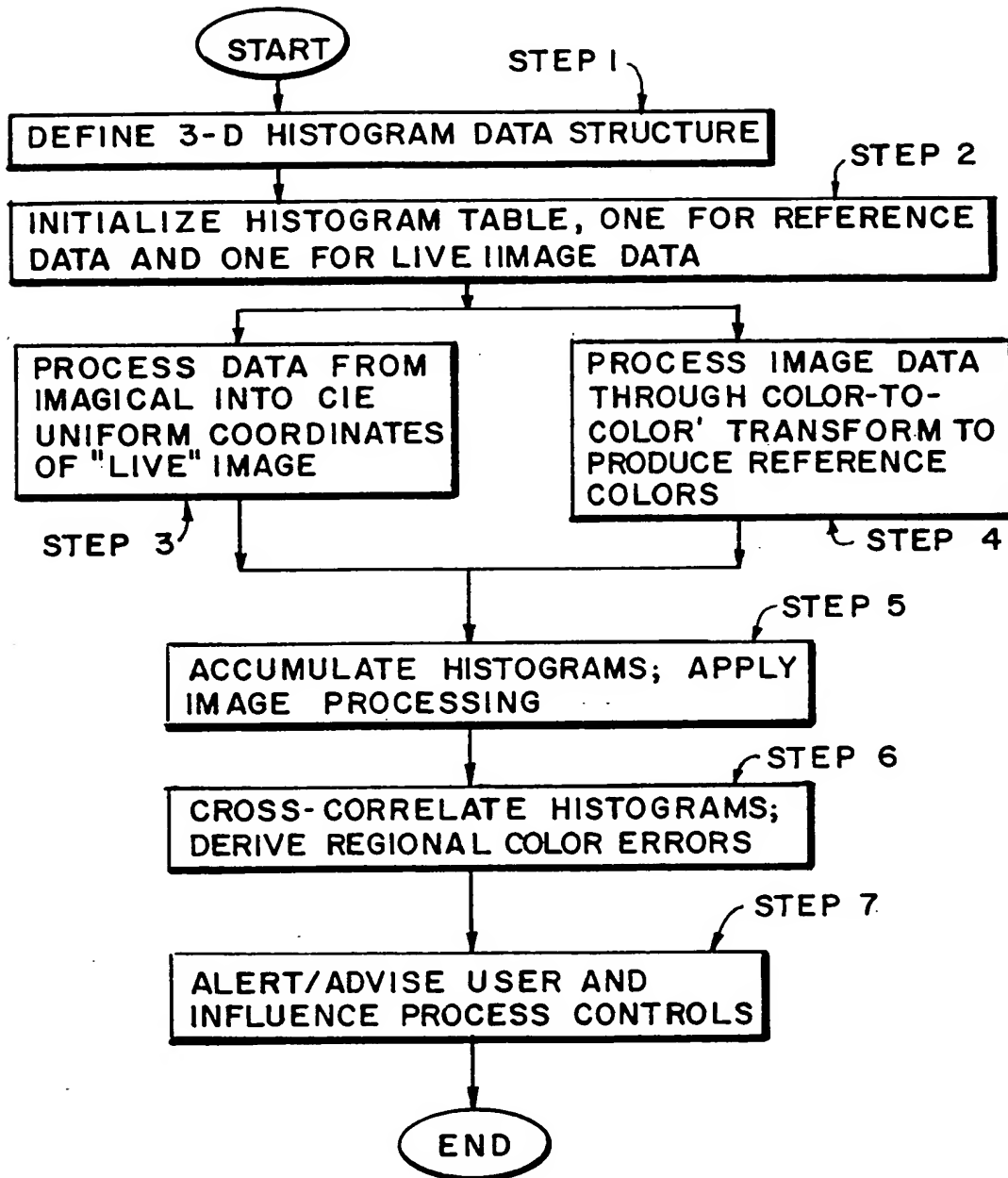
FIG. 16B

FIG. 17

FIG. 18A

FIG. 18B

FIG. 19

FIG. 20

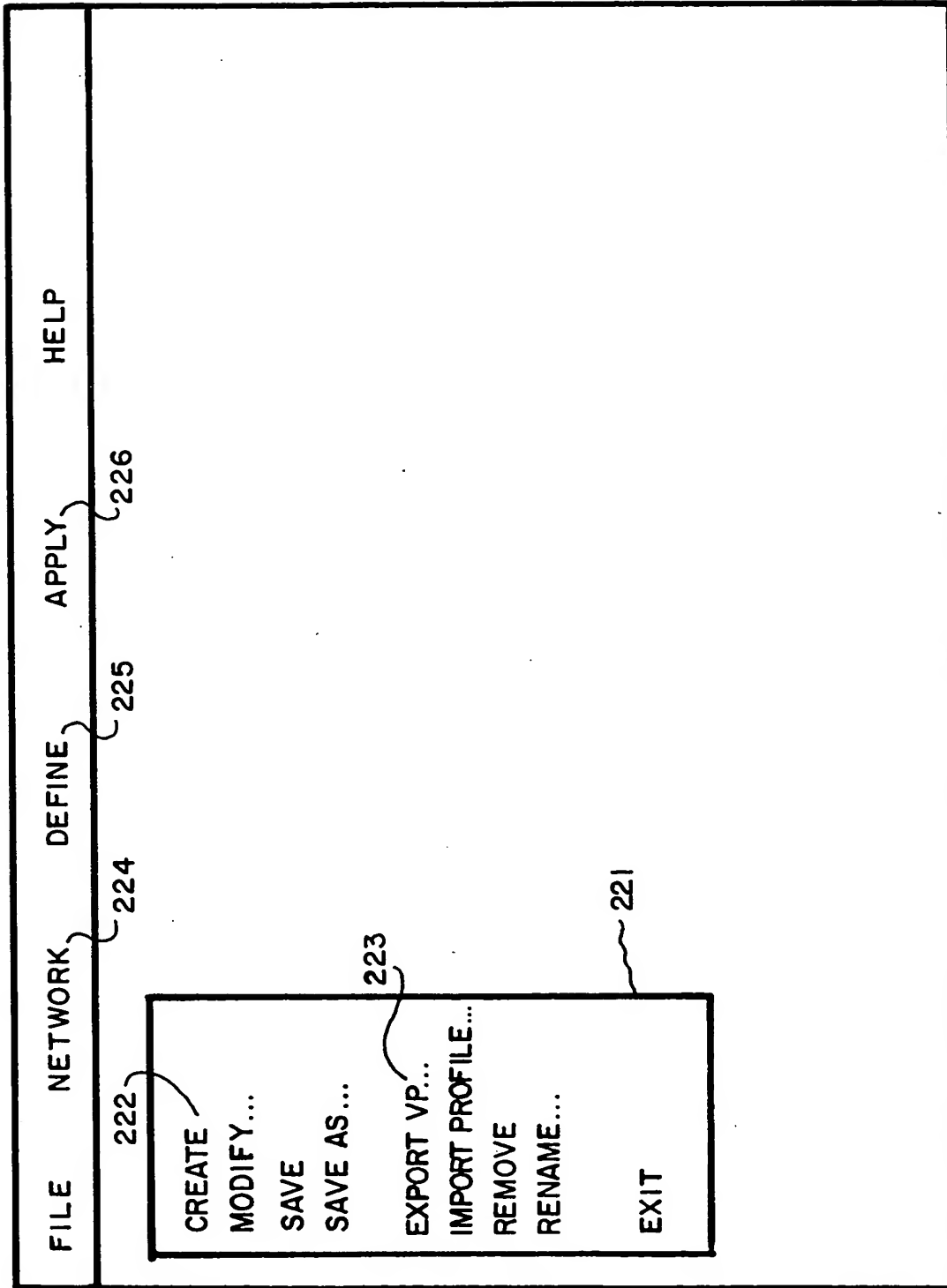


FIG. 21A

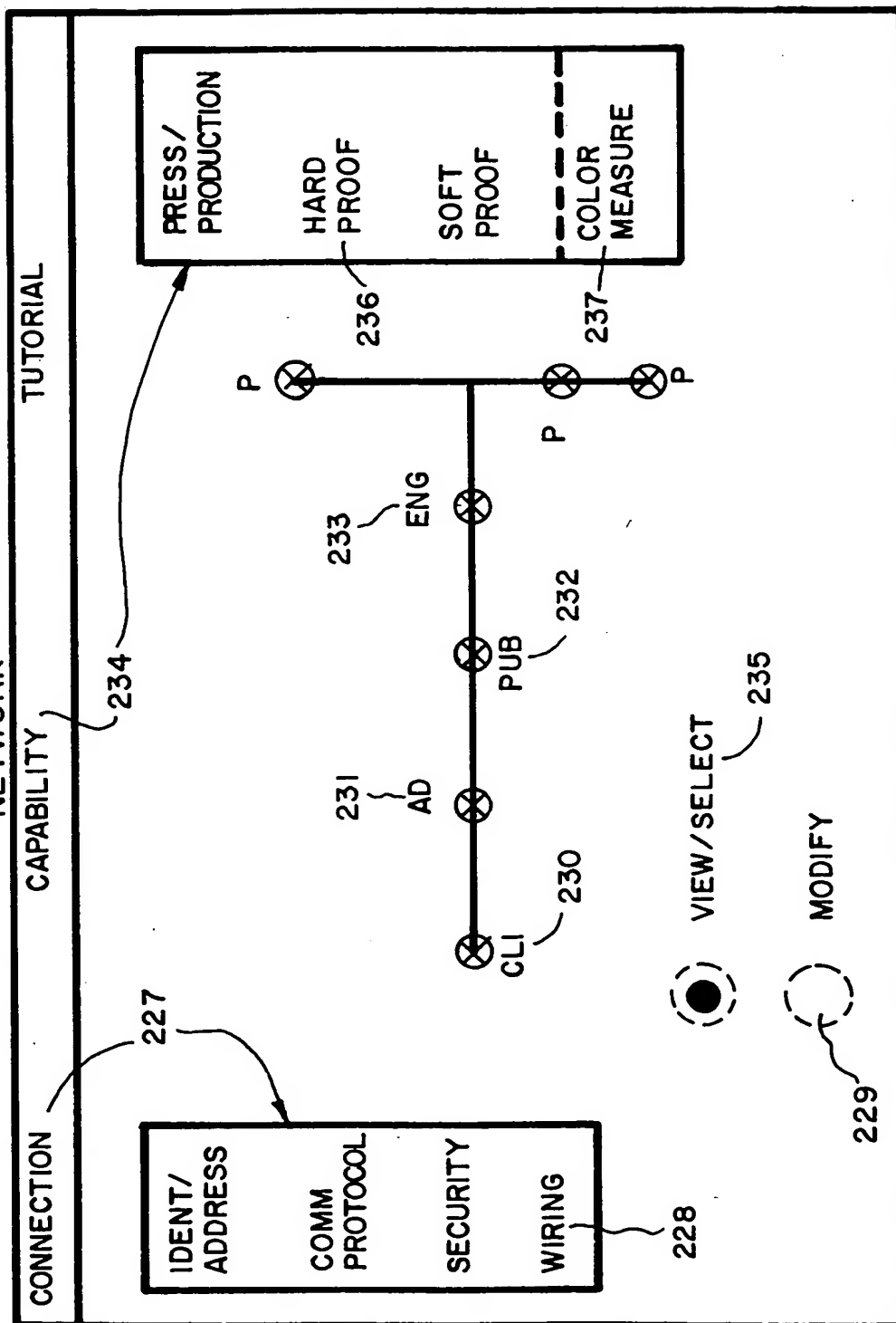


FIG. 21B

APPLY TRANSFORMATION

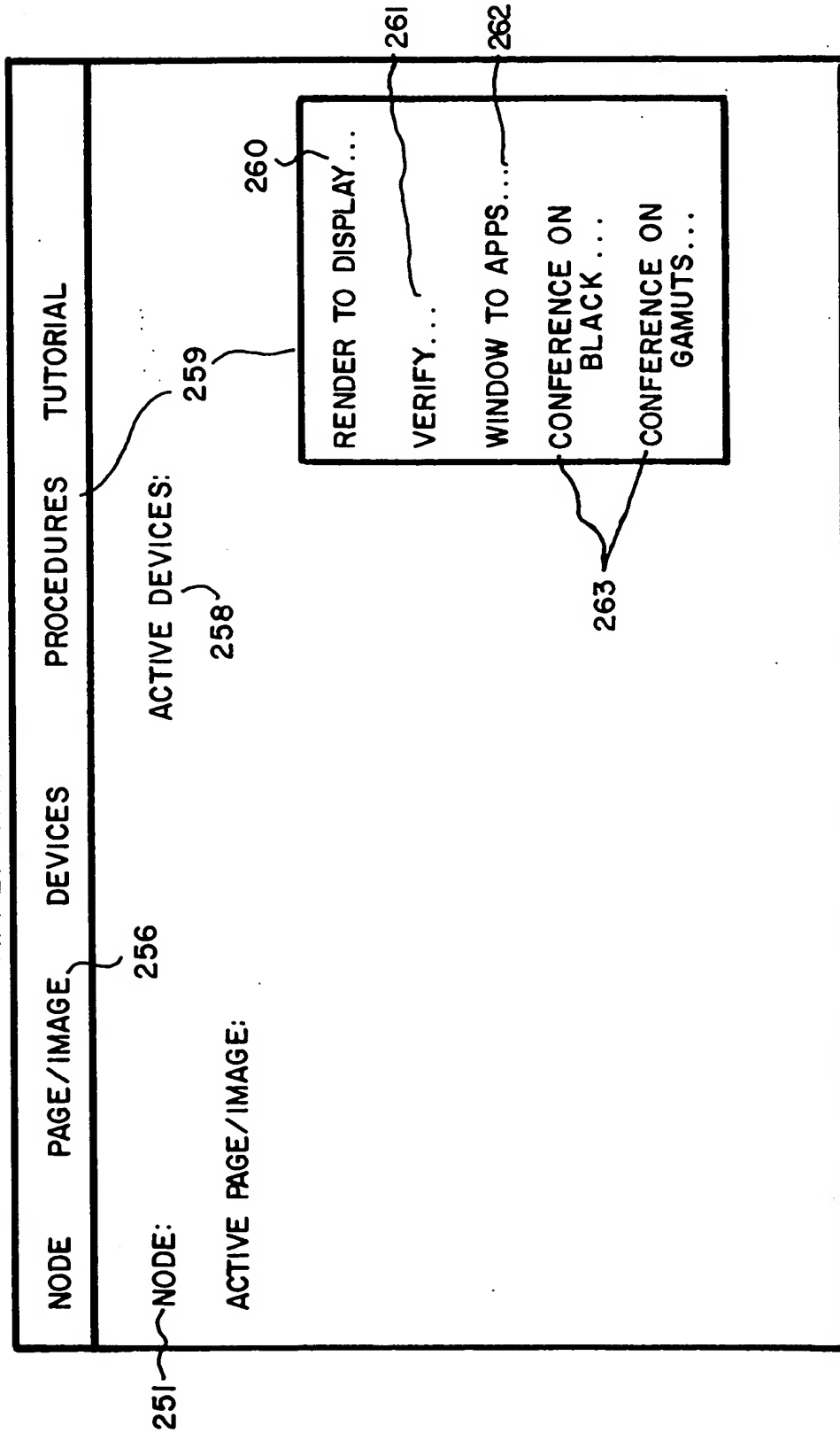


FIG. 21D

BLACK UTILIZATION:

NEUTRAL DEFINITION

C	5	8	13	25	40	60	80	95
M	3	5	8	18	32	50	70	83
Y	3	5	8	18	32	50	70	83
K	0	0	0	0	5	30	75	90

☐ RETURN TO DEFAULT

DEFINE / APPLY

PROCEDURES

TUTORIAL

TOTAL COVERAGE (%UCR)

276

MAXIMUM BLACK

278

CUSTOMIZE TONAL TRANSFER...

280

GCR SPECIAL...

284

☐ NEUTRAL DEFINITION

☒ GCR 282

272

AMOUNT OF COLORANT

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FIG. 21E

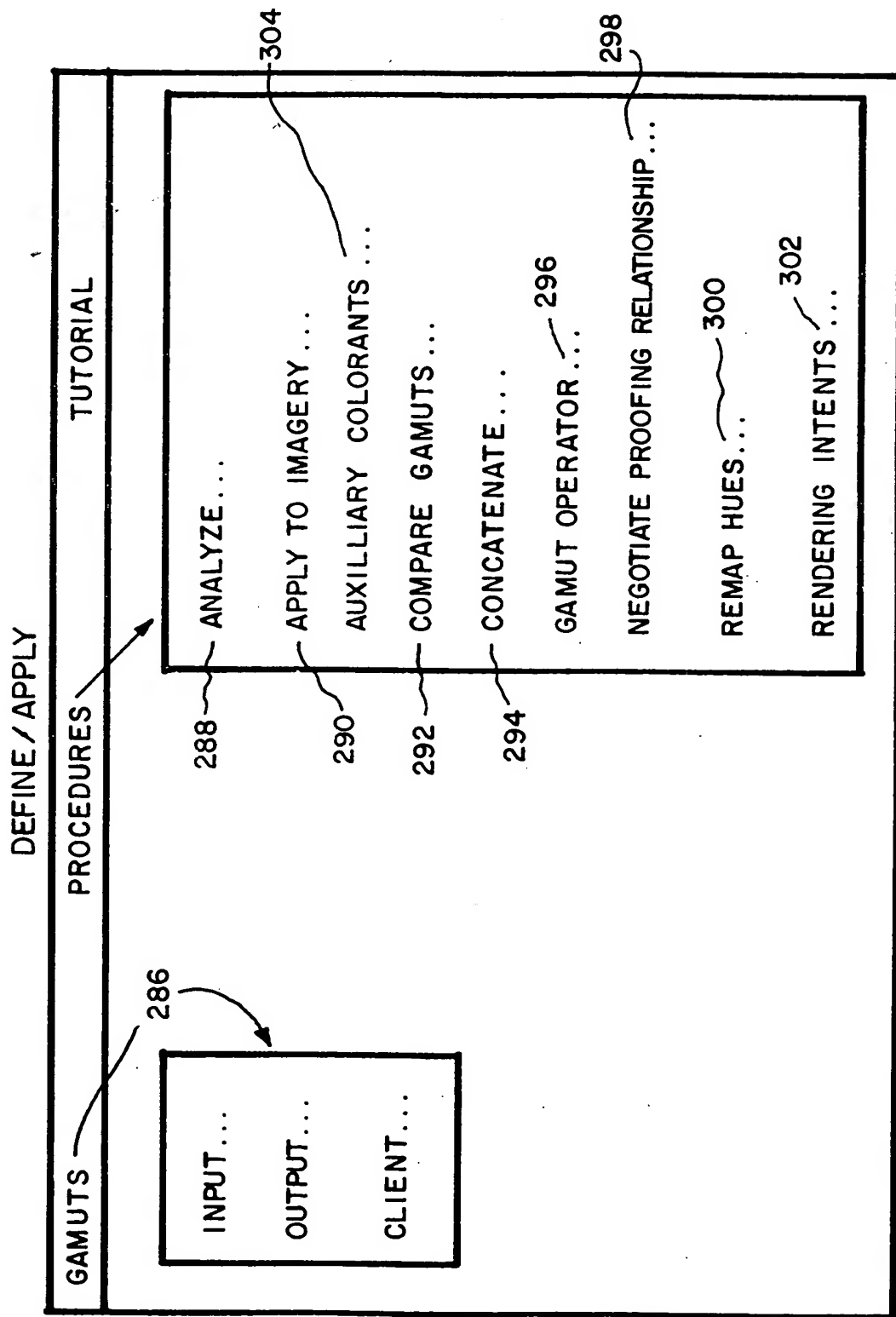


FIG. 21F